UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Psychology-II (MAS)
Course Code: APSY-212 / GEN-22418 Part–I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....
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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. Encountering traffic jams or meeting work deadlines are examples of_____.

a) Catastrophes
b) Crisis
c) Daily hassles
d) Ambient stressors

ii. The type of personality testing, in which the stimulus is not clear and ambiguous is known as _____

a) Objective
b) Projective
c) Subjective
d) Narrative

iii. _____ focuses directly on changing the thoughts, in order to improve the emotions and behaviors.

a) Cognitive therapy
b) Gestalt therapy
c) Psychoanalytical approach
d) Behavioral therapy

iv. _____ describes the pattern of thought or behavior that organizes categories of information and relationships among them.

a) Social cognition
c) Consciousness
c) Gestalt approach
d) Schemas

v. According to Freud's theory of personality, superego operates on _____

a) Reality Principle
c) Natural Principle
b) Morality Principle
d) Pleasure Principle

vi. An abnormally low mood with suicidal ideation can be regarded as _____

a) Manic episode
b) Obsessive-compulsive episode
c) Major Depressive episode
d) Panic attack

vii. DSM stands for

a) Diagnostic System Manual
b) Deviance Standard Manual
c) Dysfunctional Standard Manual
d) Diagnostic Statistical Manual

viii. _____is the mental disorder in which one' sense of reality is impaired or altered.

a) Schizophrenia
b) Attention Deficit Hyperactive Disorder
c) Obsessive Compulsive
d) Anorexia Nervosa

ix. The third stage in Seyle's model of stress is _____

a) Alarm stage
b) Exhaustion stage
c) Resistance stage
d) Evaluation stage

x. In _____, a person psychologically attempt to direct one's own memories, desires and impulses towards pleasurable or painful instincts by excluding them from his/her consciousness.

a) Regression
b) Displacement
c) Repression
d) Sublimation

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Psychology-II (MAS)
Course Code: APSY-212 / GEN-22418 Part – II **Time: 2 Hrs. 45 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Part 2 (Answer shortly to the given Questions) (5 marks each)

1. What is the difference obsession and compulsion? Give example.
2. Briefly explain Cognitive behavior therapy.
3. Explain the stages involves in Stress.
4. Briefly explain how personality is developed?

Part 3 (Answer briefly to the given Questions) (10 marks each)

1. Explain in detail the process of Consciousness and Sleep.
2. What is Abnormal Psychology? Briefly explain major Psychopathologies/mental disorder.
3. What is social cognition? How does it affect us, explain with examples.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Arabic-IV

Course Code: ARB-202 / ISL-22421 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

حصہ انشائیہ

سوال نمبر: 2۔درج ذیل سوالات کے مختصر جواب دیں(کوئی سے دس سوالات): (10)

۱) من كتب مسرحية:"عرف كيف يموت"

۲) ما المراد من "المخضرمين"؟

۳) مامعنى قوله تعالى:" ان الله لايغير مابقوم حتى يغيروا مابانفسهم"؟

۴) ماالمراد بقوله عليه السلام: "انكم لن تسعوا الناس باموالكم فسعوهم باخلاقكم"؟

۵) مامعنى فى الاردية لقوله عليه السلام :"مات حتف انفه" ؟

۶) ماذا قال عمربن الخطابؓ عن الصلح بين المسلمين؟

۷) ترجم العبارة الآتية الى الاردية :

"اغنى الغنى العقل، واكبر الفقر الحمق، واوحش الوحشة العجب، واكرم الحسب حسن الخلق".

۸) من "الجاحظ"، وما هو موضوع كتابه " البيان والتبيين"؟

۹) متى و ابن ولد " مصطفى لطفى المنفلوطى"؟

۱۰) ماذا تعرف عن "طه حسين" و اهم اعماله؟

۱۱) ماذا قال عليه السلام فى حقوق النساء فى خطبة حجة الوداع؟

۱۲) لمن قال عليه السلام : "اهجهم ومعك روح القدس"؟

سوال نمبر: 3 درج ذیل میں سے ایک پر عربی میں مکالمہ تحریر کریں: (15)

"فى السوق المركزى " یا "وقت المدرسة"

سوال نمبر: 4 درج ذیل قطعات کا اردو ترجمہ کریں: (10)

عينىَ جودا و لا تجمدا الا تبكيان لصخر الندى؟ الا تبكيان الجرى الجميل الا تبكيان الفتى السيدا!

هجوت محمدا فاجبت عنه وعندالله فى ذاك الجزاء اتهجوه ولست له بكف فشركما لخيركما الفداء

سوال نمبر: 5) کوئی سے ایک عنوان پر اردو میں تفصیلی نوٹ لکھیں:

(15)

"الممنوع من الصرف" یا "الجملة الاسمية".

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Arabic-IV

Course Code: ARB-202 / ISL-22421 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

(حصہ معروضی)

سوال نمبر:۱) صحیح جواب کا انتخاب کر کے اس پر نشان (✓) لگائیں: (10)

۱) "ضَرَبَ" سے فعل ماضی معروف کا جمع مؤنث غائب کا صیغہ کیا ہوگا۔

(A) ضَرَبت (B) ضَرَبنَ (C) ضَرَبنَّ (D) ضَربنا

۲) لغت کی مشہور کتاب "لسان العرب" لکھی ہے:

(A) علامہ ابن خلدونؒ نے (B) علامہ ابن منظورؒ نے (C) امام ابن قیم نے (D) امام ابن مقفعؒ نے

۳) فرزدق، جریر اور اخطل، یہ شعرا تعلق رکھتے ہیں:

(A) دور دورِ جاہلیت سے (B) دورِ بنو امیہ سے (C) دورِ بنو عباس سے (D) دورِ جدید سے

۴) " صدق الغلام، فالغلام صادق " میں" صادق "ہے :

(A) اسم فاعل (B) اسم آلہ (C) اسم مفعول (D) فاعل

۵) "وھب" فعل ہے :

(A) ناقص (B) مضاعف (C) مثال (D) اجوف

۶) جس اسم میں فاعل کا معنی کثرت کے ساتھ پایا جائے اسے کہا جاتا ہے :

(A) اسم تفضیل (B) اسم فاعل (C) اسم مفعول (D) اسم مبالغہ

۷) علم عمرانیات اور فلسفہ تاریخ کے موجد ہیں:

(A) خلیل ابن احمد فراہیدیؒ (B) ابوالاسود الدوئلیؒ (C) علامہ ابن خلدونؒ (D) علامہ ابن فارسؒ

۸) "قلن" میں حذف کر دیا گیا ہے :

(A) فاء کلمہ (B) عین کلمہ (C) لام کلمہ (D) کچھ بھی نہیں

۹) علم العروض کے بانی ہیں:

(A) ابوالاسود الدوئلیؒ (B) امام ابو حنیفہؒ (C) امام اصمعیؒ (D) خلیل ابن احمد فراہیدیؒ

۱۰) "کسرہ" کا مطلب ہے:

(A) زیر (B) زبر (C) پیش (D) جزم

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Arabic Language-I
Course Code: ARB-111 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

السؤال الثاني: أجب عن الأسئلة الموجزة: **Attempt the short Questions**

صحح الأخطاء في الجمل التالية **Correct the errors in the following sentences** 10

١- هذه أستاذي ٢- هو بنتي ٣- حملت الإنسان أمانة عظيمة

٤ - أنا يكره الكذب ٥- لا تأذن المدير بالخروج ٦. حضرت الأستاذ اليوم

٧- تلك بستان ٨- تلك تسع أقلام ٩- يدخل الأستاذة فى الفصل

١٠- ذلك استاذ كريمة

السؤال الثالث: رتب الكلمات لتصبح جملاً **Arrange the words to make sentences** 10

(١) تلميذ. ذلك. كتاب

(٢) كبير. الحديقة. الباب

(٣) العلم. لون. أخضر

(٤) جديدة. الطالب. ساعة

(٥) هذا.الطالب. كتاب

(٦) هذه. نظيفة.مدينة

(٧) واسعة. تلك. سيارة

(٨) هذه. جميلة. بنت

(٩) الولد. الفاكهة. يأكل

(١٠) الأستاذ.القلم. يأخذ

السؤال الرابع: ترجم الى الأردية **Translate into Urdu** 10

النجارُ: إني أنا النجّار
رفيقي المنشار
من صنعتي الموائد
والباب والمقاعد

الحدّاد: في كتل الحديد
أعمل في تجديد
من صنعتي المدافع
عن الحمي تدافع

الجميع: عاشت لنا الزراعة
وأختها الصناعة
فكلنا بالمهن
نرفع شأن الوطن

(إقلب الورقة)

السؤال الخامس : ترجم الى الأردية Translate into Urdu 10

قال رسول الله صلى الله عليه وسلم:

من كان يؤمن بالله واليوم الآخر فلا يؤذ جاره.

و من كان يؤمن بالله واليوم الآخر فليكرم ضيفه.

ومن كان يؤمن بالله واليوم الآخر فليقل خيراً أو ليصمتْ.

السؤال السادس: أجب عن الأسئلة التالية باللغة العربية 10

Answer the following questions in Arabic Language

(١) هل رجع التلاميذ ؟

(٢) من يجلس هنا ؟

(٣) ما ذا شرب الولد ؟

(٤) من خرج من المنزل؟

(٥) ماذا سقط على الأرض ؟

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Arabic Language-I

Course Code: ARB-111 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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السؤال الأول: اختر الكلمة الصحيحة : **Choose the right word** 10

١- (ذلك ، تلك، أولئك) ..... مسجد.

٢- تلك مدرسة..... (واسع،واسعة، واسعات)

٣- (ذلك ، تلك، أولئك) ..... أساتذتي.

٤-(ذلك ، تلك، أولئك) ..... صديقنا.

٥-(ذلك ، تلك، أولئك) ..... بستان.

٦- (هذا ، هذه ، هؤلاء) ..... ساعته.

٧- (هذا ، هذه ، هؤلاء) ..... مجتهدون.

٨- دراجة الولد ..... (جديد ، جديدة، جدد).

٩- جامعة بنجاب قديمة و ..... (كبار، كبير، كبيرة)

١٠- ما ذا تلبس؟..... (نلبس ، يلبس ، ألبس) قميصاً

١١- هل .....(حضرت، حضروا، حضر) الأستاذ.

١٢- (أجلس،يجلس، تجلس).....مريم فى السيارة.

١٣- هل.....(أسمع، نسمع، تسمع) المرأة كلامي.

١٤- الولد ..... إلى المدرسة (ذهب، ذهبت ، ذهبوا)

١٥- .....قريبة من المسجد (البيت ، الجدار، المدرسة)

١٦- ..... كتب الطلاب (هذا ، تلك ، أولئك)

١٧- فوق المكتب ..... كثيرة (كتب، كتاب ، الكتاب)

١٨- بماذا تكتب؟(أكتب، نكتب، يكتب).....بالقلم

١٩- باكستان.....(تقعُ، يقعُ، أقعُ) في آسيا.

٢٠- عندي ..... جديدان (طلاب ، طالب ، طالبان)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Administration and Management in Sports

Course Code: PE-205 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (5x2=10)

(i) Management is the combination of _____

(a) Drawing (b) philosophy (c) Art & science (d) None of these

(ii) Top level management is occupied by _____

(a) Foreman (b) Directors (c) Managers (d) All of these

(iii) S.W.O.T Analysis is to identify

(a) Strength work opposes and try

(b) Strength works opposite threats

(c) Strength, weakness opportunity threats

(d) None of them

(iv) Functions of management are classified by Gullck Unwick in _____

(a) 1911 (b)1937 (c)1935 (d) 1943

(v) Mostly funds should be generated through _____

(a) Donation (b)Gifts (c) Funds from public sectors (d) All of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Administration and Management in Sports
Course Code: PE-205 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Short Answers. **(10x2=20)**

Define the following terms with the help of suitable examples? (20)

(a) Volunteers (b) Job Induction (c) documentation (d) Protocol (e) Finance

(f) Public relation (g) Accounting (h) Fundraising (I) on job training (j) Supervision

Q.3. Brief Answers. **(3x10=30)**

1 Define Management? Why we need sports management?

2 write down the corporate structure of the International Olympic Committee (IOC)?

3 write a note on importance of fiscal management in budgeting and fund raising?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Auditing

Course Code: COMM-206 / COM-22360 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q # 2 Write short notes on the following: **(5x4=20)**

1. Test checking
2. Three benefits of audit program
3. Teeming and lading
4. Five objectives of internal control
5. Three techniques of verification

Answer the following questions. **(3x10=30)**

Q # 3 What points should be kept in mind by an auditor while examining the accounts of Banking Companies?

Q # 4 List down the qualifications and disqualifications of an auditor under Company Act 2017.

Q # 5 Under what circumstances an auditor can be held liable for:

a) Criminal Liability
b) Liability for libel

Support your answer with relevant case law.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Auditing

Course Code: COMM-206/COM-22360 Part–I (Compulsory) Time: 15 Min. Marks: 10

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1 **Auditors qualifications are fixed by:**
- A Management
- B Government
- C Audit Company
- D Companies Act

2 **The fraud of cash may happen when:**
- A Receipts are overstated
- B Payments are understated
- C Receipts are understated
- D All of above

3 **Continues audit is also called:**
- A Balance sheet audit
- B Running audit
- C Interim audit
- D Ad-hoc audit

4 **The major drawback of an audit program is:**
- A Work will not be duplicated
- B No important work will be overlooked
- C Initiative may be lost
- D Responsibility of each audit staff is fixed

5 **Audit covers the:**
- A Examination of business accounts
- B Examination of business record
- C Examination of financial statement
- D All the above

6 **The word "audit" is derived from:**
- A French word
- B Arabic word
- C Persian word
- D Latin word

7 **The investigator may be appointed by:**
- A Shareholders
- B Owners
- C Creditors
- D All of the above

8 **Contingent liabilities are shown in:**
- A Balance sheet
- B Profit & loss account
- C Foot note attached to the balance sheet
- D None of the above

9 **Fixed tangible assets are shown in balance sheet at:**
- A Cost price less depreciation
- B Market price
- C Cost or market price whichever is higher
- D Cost or market price whichever is lower

10 **A voucher may be:**
- A Cash memo
- B An invoice
- C A bank receipt
- D All of the above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Advanced Financial Accounting-II

Course Code: COMM-205 / COM-22356 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q # 2 Give Short answers of the following questions: **(20)**

1. Define Joint Venture?
2. Define Escalation Clause?
3. What do you mean by del-credere commission?
4. What is the difference between Account Sales and Sales Account?
5. What is sub-contract?
6. What do you mean by independent branches?
7. Define Consignment Inward and Consignment Outward
8. Define two characteristics of financial lease.
9. What is difference between Branch and Department?
10. Give the objectives of departmental account?

Q # 3 Khurram Departmental Store has three departments: A, B, C. Following data is available with respect to each of the department: **(10)**

Departments	A(Rs.)	B(Rs.)	C(Rs.)
Opening stock	5000	3,000	2,500
Purchases	50,000	30,000	10,000
Sales	48,000	21,000	9,500
Closing stock	6,000	4,000	3,500

The opening and closing stock have been valued at cost. The expenses which are to be charged to each department in proportion to the cost of goods sold in the respective department are as follows:

Salaries	Rs. 5510
Rent and rates	Rs. 1450
Miscellaneous expenses	Rs. 1305

Required:

Show the final result and percentage on the sale in each department.

Q # 4 From the following details regarding to Multan branch, prepare a Branch Account in respect of 2017. **(10)**

Particulars	Amount Rs.	Particulars	Amount Rs.
Stock 1-1-2017	12,000	Returns to Head Office	4,800
Stock 31-12-2017	9,600	Bad Debts	600
Petty cash 1-1-2017	600	Discount Allowed	310
Debtors on 01-01-2017	10,000	Petty expenses paid by branch	700
Debtors on 31-12-2017	11,500	Returns from customers	3,000
Goods sent to branch	42,000	Expenses paid by head office:	
Cash sales	25,800	Salaries and wages	8400
Credit sales	36,000	Rent (1-1-2017 to 31- 3-2018)	5250
Normal loss	2,000	Cash sent for petty expenses by the head office	800

Q # 5 **(10)**

Contractors Ltd. took a contract in 2018 for bridge construction for Rs.5,00,000. At the end of 2018, the company had received Rs.1,80,000 being 90% of the work certified. Certain work not yet certified has cost Rs.5,000. Expenditure incurred were Material Rs. 25,000, Labour Rs.1,50,000, Plant Rs.10,000. Material casting Rs.2,500 was damaged and had to be disposed of for Rs.500.

Plant is considered as having depreciated by 25%.

Prepare contract account and other relevant ledger accounts. Show your calculation of the profit to be credited to the profit and loss account for the year 2018.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Advanced Financial Accounting-II
Course Code: COMM-205/COM-22356 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. If the rate of gross profit for department A is 25% of cost, the amount of gross profit on a sale of Rs. 1 lac will be:
   a. Rs. 25,000
   b. Rs. 20,000
   c. Rs. 33,333
   d. None of these
2. Goods sent by the Head Office to the Branch, not received by the Branch are credited by the Head Office to:
   a. Branch account
   b. Goods in transit account
   c. Trading account
   d. Profit and loss account
3. When a branch purchases a fixed asset and the asset account is to be kept in the head office, branch::
   a. Debits Asset account
   b. Credit Head office account
   c. Debit Head office account
   d. None of these
4. Joint Bank Account is opened:
   a. When no separate books for the venture are maintained
   b. When separate books for the venture are maintained
   c. Under memorandum basis
   d. Under no circumstances
5. Non-departmental items of expenses are::
   a. Charged to Departments on the basis of total sales
   b. Charged to the General Profit and Loss Account
   c. Charged to Departments according to the fixed assets employed
   d. None of these
6. Under debtors system branch account is a:
   a. Nominal account
   b. Real account
   c. Personal account
   d. Contra account
7. Work certified is valued at:
   a. Cost price
   b. Sales price
   c. Future price
   d. None of these
8. Amount of bad debts in the absence of del-credre commission is borne by :
   a. Consignment
   b. Consignor
   c. Consignee
   d. None of these
9. In the books of consignee the expenses incurred by him on consignment are debited to:
   a. Consignment account
   b. Cash account
   c. Consignor account
   d. Expense account
10. In the case of del-credre commission, the liability for bad debts is on:
   a. Consignee
   b. Consignor
   c. Principal
   d. None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Argiculture Economics
Course Code: ECON-204 / ECO-22325 Part–I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. Agriculture is the lifeline of Pakistan's economy accounting for_____of the GDP
a) 19.5% b) 20.5% c) 18.5% d) 23%

ii. In Pakistan two cropping season are exist
a) Kharif and spring
b) kharif and autumn
c) Rabi and Kharif
d) Rabi and Spring

iii. Agriculture employing _____labor force and providing raw material for several value- added sectors.
a) 42.3 %
b) 38.5 %
c) 40.3 %
d) 41.5 %

iv. Agriculture sector provides
a) Raw material
b) Food
c) Employment
d) All (a, b, c)

v. Farm mechanization is
a) Use of new technology
b) Old technology
c) Manpower
d) All (a, b, c)

vi. Number of crops grown on a piece of land is
a) Cropping density
b) Crop intensity
c) Crop fertility
d) None

vii. Number of people to feed on earth is
a) Decreasing
b) Increasing
c) Constant
d) All (a, b, c)

P.T.O.

viii. **Main issue of Agriculture in Pakistan is**
   a) **Poor Infrastructures**
   b) Improper marketing channels
   c) Low per hacter yield
   d) Bed quality of extension

ix. Support price effect on Pakistani farmers is
   a) Encouraging
   b) Discouraging
   c) Neutral
   d) None

x. Due to farm mechanization agricultural productivity is
   a) Increasing
   b) Decreasing
   c) Falling
   d) None

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Argiculture Economics
Course Code: ECON-204 / ECO-22325 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answer of following questions. (10x2=20)

i. Assumption of Ricardian theory of rent?
ii. What is the green revolution?
iii. How do you define the Concept of market surplus?
iv. what are the Causes of malnutrition?
v. What is subsistence farming?
vi. What is the main principal of agriculture farm management?
vii. What is the food safety?
viii. Land reforms
ix. What is farm productivity?
x. Define quasi rent.

Q.3. Critically analyze Williamson model. (10)

سوال نمبر3: Williamson ماڈل کا تنقیدی جائزہ لیں۔

Q.4. What is agriculture project planning? And also explain the choice of planning strategy for agriculture development. (10)

سوال نمبر4: زرعی شعبہ کی منصوبہ بندی سے کیا مراد ہے؟ اور زرعی شعبہ کی ترقی کے لئے پلاننگ سٹراٹیجی کے انتخاب کی وضاحت کریں۔

Q.5.(a) What is agricultural economic? Give suggestions how to improve the agricultural sector. (05)

(b) Explain the relationship between farm size and productivity. (05)

سوال نمبر5:(الف) زرعی معیشت کا کیا مطلب ہے؟ زرعی شعبہ کی بہتری کے لئے تجاویز دیں۔

(ب) فارم کا سائز اور پیداوار کے درمیان تعلق کو واضح کریں۔

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Botany-IV (Plant Physiology and Ecology)
Course Code: BOT-203 / BOT-22300 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q. NO. 2: Give brief answers of following questions. (10 x 2)

1. What is difference between C2 and C3 Plants?
2. What do you know about the Xerophytes and Hydrophytes?
3. What are methods of sampling vegetation?
4. What are the ecological characteristics of plant community?
5. What is the difference between the role of abscisic acid and ethylene?
6. What are the methods of breaking seed dormancy?
7. What is the difference between absorption and translocation of water?
8. What are the role and deficiency symptom of macronutrients?
9. What is phototropism?
10. What is the role of phytochromes?

Q. NO. 3: What is the importance of the water potential concept in plant physiology what are the components of the water potential?(8)

Q. NO. 4: Classification of plants based on photoperiodic response. (06)

Q. NO. 5: Explain in detail the Krebs cycle in plants (8)

Q. NO. 6: Explain major vegetation types of the local area. (8)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Botany-IV (Plant Physiology and Ecology)
Course Code: BOT-203 / BOT-22300 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The outer solution having equal concentration as that of the cell sap is called

(A) Hypotonic solution (B) Isotonic solution (C) Hypertonic solution (D) Neutral solution

2. The leaves turn and become yellow due to deficiency of:

(A) Na (B) K (C) Ca (D) Fe

3. _____ is precursor for abscissic acid (ABA)

(A) Zeatin (B) Lutein (C) Violaxanthin (D) Mevalonic acid

4. Which of the followings is trace element?

(A) Ca (B) K (C) Mg (D) Cu

5. To produce 3 glucose molecules _____ ATP and _____ NADPH2 molecules are required.

(A) 54, 36 (B) 54, 30 (C) 36, 60 (D) 18, 12

6. Seed dormancy is due to the:

(A) Ethylene (B) Abscisic acid (C) IAA (D) Starch

7. Which of the following is NOT a Nastic movement?

(A) Photonasty (B) Theremonasty (C) Seismonasty (D) Phytonasty

8. The bottom area where production is less than respiration in a pond ecosystem is termed as

(A) Profundal zone (B) Tidal zone (C) Benthic zone (D) Limnetic zone

9. The ability of a population to increase under ideal environmental conditions is called

(A) Natality (B) Carrying capacity (C) Biotic potential (D) Absolute natality

10. In an ecosystem, the energy flow is always

(A) Always unidirectional (B) Always bidirectional

(C) In any direction (D) Always down directional

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Basic Electronics

Course Code: PHY-203 / PHY-22331 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. **Write short answers of the following questions:** **(2×10 = 20)**

i. What is peak reverse voltage (PRV)?

ii. Draw the circuit diagram of a voltage doubler circuit.

iii. Define the terms h_{ie} and h_{fe}.

iv. If $h_{fe} = 60$ and $I_C = 15mA$, what is the value of I_B and I_E?

v. What do you mean by the term *transconductance*?

vi. What is the cause of reverse saturation current?

vii. Why the common collector circuit called an emitter follower?

viii. What bias conditions must exist for a transistor to operate as an amplifier?

ix. Write down the role of input coupling capacitor in a transistor amplifier?

x. What are two famous modes of operation for a MOSFET?

Q.3: (a) Explain what the barrier potential is and how it is created in a *pn* junction?

(b) Discuss the circuit operation of a positive biased diode clipper and draw its output voltage waveform. **(6, 4)**

Q.4: (a) Draw the circuit for the common-emitter (CE) transistor amplifier, and derive expressions for its *Current Gain,* and the *Voltage Gain.*

(b) Trace the circuit diagram of a common-emitter (CE) self biased circuit and discuss its circuit operation. **(6, 4)**

Q.5: (a) Explain the construction, symbol, working and characteristics of *p-channel* JFET.

(b) What is the construction difference between a *JFET* and *MOSFET?* **(7, 3)**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Basic Electronics

Course Code: PHY-203 / PHY-22331 Part – I (Compulsory) Time: 15 Min. Marks: 10

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

(i) At room temperature, the current in an intrinsic semiconductor is due to
(a) holes (b) electrons (c) ions (d) holes and electrons

(ii) Without a DC source, a clipper circuit resembles to a
(a) clamper (b) rectifier (c) voltage doubler (d) none as above

(iii) If both the emitter-base and the collector-base junctions of a bipolar transistor are forward biased, the transistor is in the
(a) active region (b) saturated region (c) cut-off region (d) inverse mode

(iv) The biasing technique that produces the most unstable Q-point is
(a) collector bias (b) emitter bias (c) base bias (d) voltage-divider bias

(v) In a certain voltage-divider biased *npn* transistor, V_B is 2.95 V. The dc emitter voltage is approximately
(a) 2.25 V (b) 2.95 V (c) 3.65 V (d) 0.7 V

(vi) The disadvantage of base bias is that
(a) it is very complex (b) it produces low gain
(c) it is too beta (or h_{fe}) dependent (d) it produces high leakage current

(vii) In a voltage-divider biased *npn* transistor, if the upper voltage-divider resistor (the one connected to V_{CC}) opens,
(a) the transistor goes into cutoff (b) the transistor goes into saturation
(c) the transistor burns out (d) the supply voltage is too high

(viii) The input resistance of a common-base (CB) amplifier is
(a) very high (b) very low
(c) the same as a CE (d) the same as a CC

(ix) A small-signal amplifier
(a) uses only a small portion of its load line (b) always has V_{out} in the mV range
(c) goes into saturation once on each input cycle (d) is always a CE amplifier

(x) The channel of a JFET is between the
(a) gate and drain (b) drain and source
(c) gate and source (d) input and output

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Basic Economics-IV
Course Code: ECON-223 / ECO-22449 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Give short answers to the following questions. (5X4= 20)

a. Current account deficit
b. Differentiate balance of payment and balance of trade
c. How deficit in balance of payment can be removed?
d. Why economic development is consider important than economic growth?

Q.3 Give answers to the following questions. (10x3=30)

a. How agriculture sector can increase economic growth of Pakistan? Discuss in detail.
b. Discuss how better economic planning can lead a country to higher growth rates.
c. How productivity of labor force can be increased in Pakistan?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Basic Economics-IV
Course Code: ECON-223 / ECO-22449 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (5X2=10)

1. A surplus in the balance of trade or in the balance on current account (assume they're the same for this question) implies that:
   a. The country's volume of employment is expanding.
   b. The country is lending to foreigners more than foreigners are lending to it
   c. The country is accumulating reserves of foreign currency
   d. The country is spending on goods and services more than it is earning from producing them
2. A negative balance of trade for a country will not be a long-run problem if:
   a. The IMF stops lending the country foreign exchange reserves
   b. The country can sell important national assets to finance it
   c. The country's foreign exchange reserves are depleted in order to finance it.
   d. The country imports new capital equipment to improve its competitiveness in world markets
3. Floating exchange rates refer to:
   a. the ability of exchange rates to even out when displaced by shocks to the foreign exchange market
   b. new issues of foreign exchange offered on the market
   c. an exchange rate determined by the demand for and supply of a nation's currency
   d. an excess demand for a nation's currency that causes its devaluation
4. If the current account for a country is in deficit, then there must be:
   a. a surplus in the government budget
   b. low interest rates
   c. high productivity
   d. a capital account surplus
5. The balance of trade is given by:
   a. the balance of unilateral transfers
   b. income receipts minus income payments on investments
   c. merchandise exports minus merchandise imports
   d. merchandise exports plus service exports minus the sum of merchandise and service imports

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Basic of Human Physiology

Course Code: PE-206 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (5x2=10)

1. By taking pulse rate of the human body a doctor determines
   A. Condition of the liver B. Amount of blood in the body C. Checks the lungs
   D. Heart beat
2. The Pulmonary artery which carries _____ from heart to lungs.
   A. Oxygenated Blood B. Red Blood C. Deoxygenated Blood D. WBC
3. The fracture is parallel to the long axis of the bone
   A. Transverse Fracture B. Incomplete Fracture C. Linear Fracture D. Compound Fracture
4. The largest pat of the human brain is the
   A. Medulla oblongata B. Cerebellum C. Cerebrum D. Membrain
5. The highest point in the blood pressure or upper reading of blood pressure is called
   A. Systolic pressure B. Diastolic pressure C. Hypotension D. Hypertension
6. Bone forming cells are called
   A. Osteoclasts B. Osteoids C. Osteoblasts D. Osteocytes
7. Specialized membrane that covers the muscle fiber in human body is called
   A. Transverse Membrane B. Plasma Membrane C. Sarcolemma D. Cell Membrane
8. The inner most membrane that lines the GI tract from mouth to anus from inside is called
   A. Sub-mucosa B. Mascularis Externa C. Serosa D. Mucosa
9. The normal length of jejunum of small intestine in human body is
   A. 3.0m B. 1.2m C. 2.5m D. 1.5m
10. The part of nervous system (N.S.) which is not under the control human intentions is called
   A. Central N.S. B. Peripheral N.S. C. Autonomic N.S. D. Somatic N.S.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Basic of Human Physiology
Course Code: PE-206 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Short Answers. (10x2=20)

1. Define / explain briefly the following;

i.	Limbic System of Human Brain	ii.	Oblique Plane
iii.	Post-Natal Life	iv.	SA and AV Nodes
v.	Semilunar Valves	vi.	Myofilaments
vii.	Vertebral Columnar Division in Human	viii.	Coronary Arteries and Veins
ix.	Agonists and Antagonists	x.	Cerebrum

Q.3. Brief Answers. (3x10=30)

1. Describe mechanism of motility of small and large intestine in digestion process? (5+5)
2. Name different Endocrine Glands and their hormones? Explain function of Pituitary Gland in detail? (4+6)
3. Chart down different parts of Nervous system with one function of each part? (10)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Chemistry-IV (General Chemistry)
Course Code: CHEM-203/CHM-22304 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i) Wave-particle duality of electron was verified by
a) De-Broglie
b) Davisson & Germer
c) Heisenberg
d) Both a & b

ii) Electronic transition between Sigma bonding and Sigma antibonding molecular orbital is a/an_____ transition
a) Allowed
b) Forbidden
c) d-d transition
d) None of these

iii) Which of the following is the correct relation
a) $A = \log(\frac{I_o}{I})$
b) $A = \log(\frac{I}{I_o})$
c) $A = \log(\frac{I_o - I}{I})$
d) $A = \log(\frac{I - I_o}{I})$

iv) Which of the following catalyst can be used for nucleophilic addition reactions of carbonyl compounds
a) HCl
b) NaOH
c) Both (a) and (b)
d) Neither (a) nor (b)

v) The value separating the higher half from the lower half of a data set is called _____
a) Mean
b) Mode
c) Median
d) All of these

P.T.O.

vi) The most widely used flame for Atomic absorption is
a) Air-Natural gas
b) Air-Acetylene
c) Air-Propane
d) Air-Hydrogen

vii) Which of the following gives positive bisulphite test
a) Formic acid
b) Methanol
c) Dimethyl ether
d) Ethanal

viii) All are correct about metallic conduction except
a) Involve free electrons
b) Decrease by increase in temperature
c) It is a chemical change
d) Conducts through electrodes

ix) In dilute electrolytic solution. each ion migrates independently of its co-ion is the concept of
a) Kohlrausch's Law
b) Faraday's 1st Law
c) Ostwald's Dilution Law
d) Faraday's 2nd Law

x) Consider the following data for Elements X. Y and Z
X. $E_{oxd} = +0.76V$
Y. $E_{red} = +0.34V$
Z. $E_{red} = -1.67V$
Which of the following is the correct increasing order of strength as reducing agent.
a) Z<Y<X
b) X<Y<Z
c) Y<X<Z
d) Z<X<Y

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Chemistry-IV (General Chemistry)
Course Code: CHEM-203 / CHM-22304 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Short Questions **2x10 = 20**

i. Give two chemical tests of aldehydes and ketones.

ii. Compare the reactivity of aldehydes and ketones.

iii. How wave-particle duality of electron was verified?

iv. What are probability functions?

v. State Faraday's 1st Law of electrolysis.

vi. Give the construction and working of Standard Hydrogen Electrode.

vii. What are systematic and random errors?

viii. State Law of mass action and give its mathematical statement.

ix. State Beer-Lambert's Law.

x. Compare the strength of Aliphatic and Aromatic Carboxylic acids.

Q.3 Extensive Questions **30**

a) Explain the construction and working of UV/Vis spectrophotometer. (5)

b) What are Buffers? Give its types. How it controls the pH of solution? (5)

c) Explain Photoelectric effect and Compton Effect. (5)

d) Derive an expression for the Energy of electron in valence shell of hydrogen atom. Also give two defects of Bohr's atomic model. (5)

e) What is Transference Number? Explain Hittort's method for the determination of Transference Number (5)

f) Explain Wittig Reaction along with its mechanism (5)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Cross Cultural Psychology
Course Code: APSY-241 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Give short answers. **(4X5 = 20 marks)**

Q2: What is flexible and inflexible ethnocentrism. (5)

Q3: Differentiate between auto-stereotypes and heterostereotypes. (5)

Q4: Elaborate moral reasoning in a cross-cultural perspective. (5)

Q5: Write a note on mental health as an application of cross-cultural psychology. (5)

Give brief answers. **(3X10 = 30 marks)**

Q6: Elaborate emotional development and regulation processes across cultures. (10)

Q7: Elaborate the concepts of conformity, social influence and social loafing. (10)

Q8: Elaborate intergroup and intergenerational relations across cultures. (10)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Cross Cultural Psychology
Course Code: APSY-241 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. _____ use countries or cultures as the unit of analysis. Data may be obtained from individuals in different cultures, but they are often summarized or averaged for each culture, and those averages are used as data points for each culture.
   a) Unpackaging studies
   b) Ecological level studies
   c) Ethnographics
   d) None of the above
2. The stage of Kohlberg's theory of moral development, emphasizing on moral reasoning on the basis of individual principles and conscience is _____.
   a) Conventional morality
   b) Pre-conventional morality
   c) Post-conventional morality
   d) None of the above
3. The process of changing one's understanding of the world to accommodate ideas that conflict with existing concepts is called _____.
   a) Assimilation
   b) Accommodation
   c) Animism
   d) None of the above
4. A style of attachment in which children are uncertain in their response to their mothers, going back and forth between seeking and shunning her attention is _____.
   a) Avoidant attachment
   b) Ambivalent attachment
   c) Secure attachment
   d) None of the above
5. The system of rules governing how words should sound (pronunciation) in a given language is _____.
   a) Pragmatics
   b) Semantics
   c) Phonology
   d) None of the above

P.T.O.

6. The psychological or behavioral characteristics typically associated with men and women is called _____.
   a) Gender role
   b) Sex role
   c) Gender stereotypes
   d) Androgyny
7. _____ temperament infants need time to make transitions in activity and experiences. Though they may withdraw initially or respond negatively, given time and support they will adapt and react positively
   a) Easy
   b) Difficult
   c) Slow to warm-up
   d) None of the above
8. _____ is the process by which youngsters learn and adopt the ways and manners of their culture.
   a) Enculturation
   b) Acculturation
   c) Multiculturalism
   d) None of the above
9. _____ parents expect unquestioned obedience and view the child as needing to be controlled. They have also been described as being low on warmth and responsiveness toward their children.
   a) Authoritative
   b) Authoritarian
   c) Permissive
   d) None of the above
10. The process by which we filter out many of the stimuli that bombard our senses, thus receiving a more meaningful, finite amount of information that we can then process is called _____.
   a) Perception
   b) Selective Attention
   c) Memory
   d) None of the above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Curriculum Development
Course Code: ED-323 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The word " curriculum is derived from _____
   Greek French English Latin
2. Educational _____ become the criteria for selecting materials, content outlined, instructional methods developed, and tests prepared.
   Objectives Goals Aims Plans
3. _____are inspirational and visionary in character and are, therefore vague and permanently open-ended.
   Goals Aims Objectives Programmes
4. Many writers use the term " Curriculum" synonym to _____
   Subject course syllabus time-table
5. Tyler approach modified by others, especially_____, who listed 7 steps.
   Ornstein Hunkins Taba Glatthorn
6. Behavioral objectives are detailed specifications of desired outcomes at the _____of the lesson, teaching unit, term, year or a programme.
   Start Middle End During
7. _____gives shape and direction to a set of more detailed intensions for the future.
   Aims Goals Objectives Plan
8. Intended outcomes or what do we want to achieve is often called _____
   Aim Objectives Goals Plans
9. Swim at least twenty five yards is an example of _____
   Aim Objectives Goals Plans
10. All the activities provided inside and outside the institute for achieving the predetermined goals is called a _____
    Curriculum Syllabus Course Text book

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Curriculum Development
Course Code: ED-323 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Answer the given Short Questions 4x5=20

1. Enlist basic elements the curriculum.
2. What is meant by student centered curriculum?
3. Describe what is meant by content selection.
4. Enlist the principles of curriculum development?
5. Describe how school environment influencing the curriculum development.

Q.3 Answer the given questions in detail. 10x3

1. Discuss the economic foundation of curriculum in detail.
2. Describe the process of curriculum development at elementary level in Pakistan.
3. How curricular objectives are formulated ? Discuss in detail.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Computer -IV

Course Code: COMP-203/CMP-22316 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. **Which one of the following translates source code to object code as a whole.**

   a. Compiler b. Interpreter c. Assembler d. Debugger

2. **Which of the following are the characteristics of objects in VB?**

   a. Methods b. Functions c. Action d. Properties

3. **A project file is saved with the following extension.**

   a. .frm b. .vbp c. .vb d. .frx

4. **Which event occurs before the Form is displayed on the screen?**

   a. Unload b. Hide c. Remove d. Load

5. **Which of the following is NOT valid identifier(s) in VB.**

   a. myname b. 9littles

   c. X123Y d. a and c

6. **Which of the following data types can store only integer values?**

   a. short b. Byte

   c. Long d. All

P.T.O.

7. Which of the following is used to terminate a loop from with in the loop body?

a. End Loop **b.** Exit Loop

c. Exit Do **d.** End Do

8. An integer array with 10 elements can be defined in VB as.

a. Dim C(10) As integer **b.** Dim C[10] As Integer

c. Integer C[10] **d.** Integer C[10]

9. Which property of Label control is used to change its size according to its contents

a. size **b.** Visible

c. Autosize **c.** TextAlign

10. Which property is used to automatically adjust an image to fit the size of pictureBox.

a. SizeAdjust **b.** AutoAdjust

c. AutoSize **d.** SizeMode

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Computer -IV

Course Code: COMP-203 / CMP-22316 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Answer the following short questions. Each question carries equal marks. (2 x 10) 20

1. What is compiling?
2. Differentiate between project and solution?
3. What are three steps for creating VB application?
4. Differentiate between Text property and Name Property?
5. What is an identifier?
6. What are multidimensional Arrays?
7. What is relational expression??
8. How does an array differ from simple variable?
9. What is Modality?
10. How does a checkbox differ from Radio Button?

Answer following Long Questions. (10 x 3) 30

1. Write a program that will prompt the user to enter values in an array and display the minimum and maximum values. **10**
2. Explain Looping Structures in detail. **10**
3. Write a program that inputs an integer and displays the sum of its digits. (for example if the user enters 851, it display 14). **10**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Cost Accounting
Course Code: COMM-207 / COM-22361 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDE

Q # 2 Give Short answers of the following questions: (5×4 = 20)

I. Briefly explain Direct & Indirect Labor with example.
II. Explain Historical Cost.
III. Explain each item of the formula of EOQ.
IV. Give 5 examples of Factory Overheads.
V. Pass the Journal entries when the Goods are returned from customer.

Q # 3 Following is the information of Ammara Paper Mills:

Purchase of Material for the year	Rs. 5,00,000
Purchase returns	Rs. 16,000
Direct Labor	Rs. 2,30,000
Factory overhead	Rs. 75% of Labor cost
Inventories:	
Finished Goods inventory decreased by	Rs. 28,000
Work in process inventory increased by	Rs. 24,000
Opening Material	Rs. 50,000
Closing Material	Rs. 30,000

Required: Cost of goods manufactured and sold statement. (10)

Q # 4 Noor Companies Limited purchase a certain item of raw material in lots of 4,800 units which is a 3 month supply. The cost per unit is Rs. 40.00, Ordering cost is Rs. 75.00 per order and carrying cost is 20%.

Required: How much the company can save by using EOQ. (10)

Q # 5 Production and cost data of 1st department of Nazir Sons Ltd. For the month of July 2018 are as follows: Units started were 5000, transferred to next department were 4500 units. Remaining units were in-process estimated to be 70%, 60% and 50% completed as to Material, Labor and FOH respectively. Costs of Material, Labor and FOH were Rs. 2,50,000; Rs. 50,000 and Rs. 1,98,000 respectively.

Required: Cost of production report for the month of July. (10)

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B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Cost Accounting
Course Code: COMM-207/COM-22361 Part–I (Compulsory) Time: 15 Min. Marks: 10

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Average consumption × Emergency time is a formula for the calculation of:
   a. Danger level
   b. Re-order level
   c. Maximum consumption
   d. None of these
2. EOQ stand for:
   a. Economic Order Quantity
   b. Economic Order Quality
   c. Estimated Ordering Quality
   d. None of these
3. Direct Material is a
   a. Variable cost
   b. Fixed cost
   c. Semi variable cost
   d. None of these
4. Worker is paid Rs. 0.50 per unit and he produces 18 units in 7 hours. Keeping in view the piece rate system, the total wages of the worker would be:
   a. Rs. 9
   b. Rs.126
   c. Rs. 3.5
   d. Rs. 63
5. If cost of opening finished goods Rs. 2,000; Cost of goods to be produced Rs. 6,000 and Operating expenses Rs. 1,000, which of the following is the cost of goods available for sale?
   a. Rs. 8,000
   b. Rs. 4,000
   c. Rs. 7,000
   d. Rs. 9,000
6. Fixed cost is:
   a. Variable
   b. Constant
   c. Semi-variable
   d. None of these
7. Which of the following statement is **TRUE** about historical cost?
   a. It is always relevant to decision making
   b. It is always irrelevant to decision making
   c. It is always an opportunity cost
   d. It is always realizable value
8. Merrick Differential Piece Rate Plan based on ---------- piece rates.
   a. Two
   b. Three
   c. Four
   d. Five
9. Cost of production report is also known as:
   a. Job order cost
   b. Process cost sheet
   c. Balance sheet
   d. Material requisition sheet
10. Average cost is also known as:
   a. Variable cost
   b. Unit cost
   c. Total cost
   d. Fixed cost

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Criminology
Course Code: CRIM-211 / GEN-22137 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give short answer to the following with suitable examples **(5X4) = 20 Marks**

1. Corporate crime
2. Professional criminals
3. Crime as social problem
4. Probation

Attempt Any Two questions from the following questions. **(2X15)= 30 Marks**

Q3. What do you understand by crime and criminality? Describe the elements of crime and explain the characteristics of criminal law.

Q.4 What is the major focus of socio-psychological theories of criminality? How does 'Differential Association Theory' attempt to explain criminal behavior in socio-psychological perspective? Elaborate.

Q5. What is the importance of detection of crime in criminal justice system? Briefly explain the techniques and problems of crime detection.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Criminology
Course Code: CRIM-211 / GEN-22137 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i). Crime is a behavior that is covered by

a). laws
b). statutes
c). mores
d). a&b

ii). The law that is concerned with acts, mental states, and accompanying circumstances or consequences which constitutes necessary features of various crimes is called

a). criminal law
b). procedural law
c). substantive law
d). none

iii). Presence of guilty mind in any conduct refers to

a). deviance
b). mens rea
c). a&b
d). violation of folkways

iv). Criminal laws are enacted, modified, and repealed by

a). public
b). police
c). legislative bodies
d). none

v). Crime of serious nature and are punishable by death or incarceration for a years or more in a state prison are known as

a). misdemeanors
b). torts
c). felonies
d). b & d

P.T.O.

vi). Cesare Beccaria is known as

a). father of scientific criminology
b). prominent figure of classical school
c). control theorist
d). modern criminologist

vii). When we punish malefactor A by imprisonment. we wish to warn A from committing further offenses. Such deterrence is known as

a). general deterrence
b). specific deterrence
c). retribution
d). a&c

viii). Differential association theory of crime was presented by

a). Lomroso
b). Sutherland
c). Reckless
d). Albert Cohen

ix). The main focus of Chicago school of criminology was to understand

a). street criminals
b). social disorganization
c). police problems
d). organized crime

x). -------identified three types of biological delinquents described as ectomorph. endomorph and mesomorph

a). Sheldon
b). Bonger
c). Hooton
d). None

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Citizenship Education (Human Rights)
Course Code: HR-213 / GEN-22127 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Question # 1: **(5x2=10)**

(a) Answer the following questions

i. Mention any two women rights. _____

_____

ii. Mention the core international instruments for protection of women rights. _____

_____

iii. Mention fundament rights of children. _____

_____

iv. Mention the core international instruments for protection of children rights. _____

_____

v. When UDHR has been approved UNO. _____

_____

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Citizenship Education (Human Rights)
Course Code: HR-213 / GEN-22127 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question # 2: Short Questions. **(4x5=20)**

i. Mention and explain four fundamental rights.
ii. Explain any one principle of human rights.
iii. Argue briefly supporting to UDHR.
iv. Explain "Universality of Human Rights".

Question # 3: Long Questions. **(2x15=30)**

i. Discuss in detail the state of Human Rights in South Asia.
ii. Describe and discuss Human Rights as concept and claim in current era.

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Classroom Management
Course Code: EDU-204 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

Roll No. in Fig. .....

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. **Which of the following features about classrooms were identified by Doyle (2006)?**
a) Classrooms have histories and events are often unpredictable
b) They are multidimensional and public spaces
c) Activities occur at the same time and things happen quickly
d) All of these

2. **Who recommended that effective classroom design should reduce congestion, ensure that teachers can see all students, ensure that materials are accessible and allow students to easily observe teaching?**
a) Barbetta, Norona and Bicard (2005)
b) Shin and Koh (2007)
c) Evertson, Emmer and Worsha (2006)
d) Herring and Wahler (2003)

3. **Which of the following definitions is consistent with movement management?**
a) Encouraging all students in a variety of challenging activities rather than focusing on one or two pupils
b) Being aware of everything that is going on in the classroom
c) Having the ability to supervise several activities at once
d) Maintaining smoothness and continuity in lessons

4. **Which of the following statements reflects a contingency contract programme?**
a) The teacher draws up a contract with each student describing what they must do in order to earn certain privileges
b) Tokens are used as incentives during everyday classroom activities
c) Measures are put into place to stop any negative reinforcement within the classroom
d) None of these

5. **Kohn (1993) presented which of the following arguments?**
a) Improving classroom conduct does not ensure academic learning
b) Behavioural approaches are techniques for controlling pupils, doing things *to* them rather than *with* them
c) Rewards may decrease intrinsic motivation for interesting activities
d) Rewarding pupils may decrease interest in learning for its own sake

P.T.O.

6. **How many characteristics did Kounin (1970) identify in his work discussing effective teachers and the ability to prevent problems?**

a) 3 b) 4 c) 6 d)8

7. **Santrock and Halonen (2006) emphasised the importance of which of the following in classroom management?**

a) Using grammar correctly b) Effective listening

c) Speaking at an appropriate pace d) Using vocabulary that matched the level of the student

8. **Which of the following statements reflects a contingency contract programme?**

a) The teacher draws up a contract with each student describing what they must do in order to earn certain privileges

b) Tokens are used as incentives during everyday classroom activities

c) Measures are put into place to stop any negative reinforcement within the classroom

d) None of these

9. **Which of the following points is one of the three reasons for effective classroom management?**

a) It allows pupils to manage their own learning

b) It permits increased learning time

c) It allows pupils to manage their own learning

d) It permits greater allocation of workloads to teaching assistants

10. **Who recommended that effective classroom design should reduce congestion, ensure that teachers can see all students, ensure that materials are accessible and allow students to easily observe teaching?**

a) Barbetta, Norona and Bicard (2005) b) Shin and Koh (2007)

c) Evertson, Emmer and Worsha (2006) d) Herring and Wahler (2003)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Classroom Management
Course Code: EDU-204 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q#2: Explain the short questions (5*4= 20)

1. Write down the elements of "classroom management" in the context of elementary education?
2. Define classroom organization?
3. Enlist resources for learning?
4. What are the physical facilities to enhance the learning environment?
5. What is record keeping system in classroom?

Q#3: Essay type Question (3*10=30)

1. Describe in details about the design of effective learning, including classroom environment, seating arrangement, facilities etc, explain with examples?
2. Explain the strategies for managing potential disciplinary issues in classroom before they become problems ?
3. How to maximize student success and minimize behavioral problems in classroom?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Computer Science-II

Course Code: COMP-212 / IT-22335 Part – II **Time: 2 Hrs. 45 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. i.	Write short answers of the following Questions: Discuss with example the following terms in C++: a) **for** (b) **while** (c) **void main()**	6
ii.	Write C^{++} program which reads in a number from the user and calculates its cube.	4
iii.	Write C++ program code segment for the following: (a) To sort the data in the array in ascending order. (b) To read 10 numbers from user and print sum of them. (c) To read and print values in reverse order in a linear array. (d) To read and print a matrix A (3x3) and print elements of 2nd column (e) To print out maximum of 2nd column of matrix A of part (d)	10
Q.3.	Write syntax for a linear array in C++? What is advantage of writing array for variables? Write C^{++} program which generates ten random numbers in the range of 1 to 10. Store numbers in an array and then sort the array elements in an ascending order. Execute the program iteratively and read 0 to stop it. Print proper output and input messages if any.	3+7
Q.4.	Suppose A, B, C, D and E are matrices (3x3). Write C^{++} program which reads in entries of A and B and prints out the entries of: i) $C = A + B$ and (ii) $D = 8A - 0.8B$. (iii) $E = \frac{B + 2019C'}{2022}$. (where C' is transpose of C).	10
Q.5.	Write syntax of user defined function in C++? What is advantage of user defined function? Write program to implement factorial function. Write C++ program to assign grades to students on the basis of total marks using switch statement. Ask user to enter score of subject: Assign A^+ for 90-100 A for 80-89. B for 70-79, C for 60-69, and Fail for <60 Implement above program for 30 students of the class. Also calculate average marks for the class.	5+5

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Computer Science-II

Course Code: COMP-212 / IT-22335 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. To pick the odd out in C++ in the following:
(a) int (b) float (c) void (d) double

ii. Which of the following is used to print data of 5th row 5th column in a matrix a?
(a) cout<<a[5,5] (b) cout<<a[4][4] (c) cout<<a[6,6] (d) cout<<a(4)(4)

iii. Which one is true for value of x if x = 1+rand()%10; then x will be in the range of?
(a) 0 to 99 (b) 1 to 100 (c) 0 to 9 (d) 1 to 10

iv. What is output for the statements:
```
for (int i =0; i<=5; i= i+2)
    cout<<i<<" ";
```
(a) 0 2 4 (b) 0 2 4 6 (c) 0 2 4 5 (d) 0 1 2 3 4 5

v. How many total elements are there for matrix k such that: int k[5][4];
(a) none (b) 9 (c) 20 (d) 21

vi. If x =12 and y= 6, then for statement " x = = 2*x - 4*y" which result is true
(a) 0 (b) 48 (c) true (d) none

vii. Which type is best suited to represent the integer values?
(a) int (b) double (c) float (d) all of the mentioned

viii. The output of program
```
void main()  {
    int a[3][3]={{6,7,8},{3,9,10},{11,22,33}};
    cout<<a[2][1];
    getch();  }
```
is given by:

a) 22 (b) 7 (c) 3 (d) 9 (e) 33

ix if a = 5 for b= a++; and c = ++a; then which of the following is correct:
(a) a, b and c are all equal (b) a and b are equal (c) a and c are equal (d) none

x. Pick the odd one out in C++:
(a) int, char, void (b) for, while (c) switch, while (d) none

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Data Structure and Algorithm
Course Code: IT-207 / IT-22408 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. What is the worst case time complexity of linear search algorithm?
   a) O(1)
   b) O(n)
   c) O(log n)
   d) $O(n^2)$
2. After each iteration in bubble sort
   a) at least one element is at its sorted position.
   b) one less comparison is made in the next iteration.
   c) Both A & B are true.
   d) Neither A or B are true.
3. Heap is an example of
   a) complete binary tree
   b) spanning tree
   c) sparse tree
   d) binary search tree
4. What is the time complexity for inserting/deleting at the beginning of the array?
   a)O(1)
   b)O(n)
   c)O(logn)
   d) O(nlogn)
5. Visiting root node after visiting left and right sub-trees is called

a) In-order Traversal

b) Pre-order Traversal

c) Post-order Traveral

6. What is the time complexity to count the number of elements in the linked list?
   a) O(1)
   b) O(n)
   c) O(logn)
   d) None of the mentioned

P.T.O.

7. What does 'stack underflow' refer to?
   a) accessing item from an undefined stack
   b) adding items to a full stack
   c) removing items from an empty stack
   d) index out of bounds exception
8. Heap can be used as _____
   a) Priority queue
   b) Stack
   c) A decreasing order array
   d) None of the mentioned
9. Which of the following concepts make extensive use of arrays?
   a) Binary trees
   b) Scheduling of processes
   c) Caching
   d) Spatial locality
10. The Big O of bubble sort is:
   a) O(n)
   b) O (log n)
   c) $O(n^2)$
   d) None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Data Structure and Algorithm
Course Code: IT-207 / IT-22408 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question # 2. Short Questions: (4 x 5 =20 marks)

a) What are the time complexities of each of the following code segments? Write your answers in Big Oh notation only.

```
for(int i = 1; i <= n; i++)
{
        for(int j = 0; j <= 10000; j++)
        {
                temp++;
        }
}
```

b) Apply the **Quick sort** algorithm on this array and show the contents after one iteration (partitioning this array once). Use the first number (12) as the pivot.

12	2	15	11	25	3	5	18	8	6

c) Write down the post-fix forms of the following infix expressions (keeping in mind the operator precedence rules of C++):

`A + C + B / D - E * F / G`

d) Write brief answers to the following two questions:
- Name one advantage of a linked list over an array.
- Name one advantage of an array over a linked list.

Question # 3. Long Questions (2 x 15 = 30 marks)

a) Given the following declaration of a **Circular-Doubly-Linked-List (with a dummy header node)** which stores integers in **unsorted** order:

```
class DNode
{   friend class CDLinkedList;
  private:
      int data;
      DNode* next;
      DNode* prev;
};
```

```
class CDLinkedList
{
  private:
      DNode head;
  public:
      void insertAtEnd (int val);
};
```

You are required to implement the following member function `void insertAtEnd(int val)` of the CDLinkedList class. This function inserts "val" at the end of the linked list. The time complexity of this function should be constant i.e. $O(1)$.

b) Write a **recursive** C++ function to count all occurrences of a given number `k` in a given array of integers. The prototype of your function should be:

```
int count (int* arr, int start, int end, int k)
```

In the above prototype, `arr` is the array, `start` and `end` are starting and ending indices of the array, and `k` is the number whose occurrences are to be counted.

For example, if the array `arr` contains these 10 integers **{2,1,7,5,7,2,6,7,8,7}** and we call `count(arr,0,9,7)` then this function should return 4 (because the number 7 occurs 4 times in the above array).

Note: Do NOT change the function prototype. Do NOT use any global/static variables. The implementation must be recursive. No Marks for iterative implementation.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: English-IV (Business Communication-II

Course Code: ENG-222 / ENG-22105 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Aversion
   a) Agile b) artistic c) enemy d) dislike
2. Vista
   a) view b) vegetation c) stream d) creek
3. defamation
   a) information b) criticize c) twisted d) mannerism
4. Venal
   a) honest b) miser c) greedy d) tearful
5. Elegiac
   a) happiness b) blasphemy c) detain d) sorrow
6. Indigent
   a) poor b) mediocrity c) affluence d) intention
7. Offensive
   a) fetid b) pleasing c) difficult d) friendly
8. Amulet
   a) Ominous b) luck c) pray d) supplication
9. Alacrity
   a) lazy b) lethargy c) current d) readiness
10. Aver
   a) deny b) communicate c) build d) affirm

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: English-IV (Business Communication-II
Course Code: ENG-222 / ENG-22105 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Part-I Short Questions

Q.2 Give short answer to the following: (4x5=20)

i. **Briefly explain the individual cultural variable: Chronemics**
ii. **Discuss ethics as an organizational responsibility.**
iii. **Understanding the Internet is increasingly becoming important. What do you have to say?**
iv. **Define and briefly conventions in writing Subject Line.**

ii. Part-II Subjective Questions (15x2=30)

Q 3. As head of your unit the HR of your company has asked you to write an analytical report on promotion of deputy manager who worked under you. Give an analysis of the that individual's performance. (15)

Q 4. You were interviewed by a national company on your college campus. At the end of the interview you were informed that you would soon receive communication in either case. One month has passed since and you have received no response. Write a follow-up letter requesting the concerned personnel to inform you of the decision. (15)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Ethical Issues in Psychology (Revised)
Course Code: APSY-242 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Short Answers **(5x4=20)**

1. What do you know about the conflict between ethics and organizational demand?
2. Name all five ethical principles mention in APA code of conduct. Define one of them.
3. What are the conditions of breaching confidentiality?
4. How psychologists can maintain their competence?
5. What are the ethical issues regarding sexual harassment?

Q.3. Essay Type **(3x10=30)**

1. Explain the principle of fidelity and responsibility.
2. How ethical issues are resolved?
3. Write a detailed note on the historical development of Code of Ethics of American Psychological Association.

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Ethical Issues in Psychology (Revised)
Course Code: APSY-242 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The aim(s) of ethical codes by which psychological researchers operate?
   a. Protection of participants from distress.
   b. Protection of the researcher from the harm.
   c. Protection of organizations involved in research from legal consequences.
   d. All the above.

2. The number of general principles in APA Code of Conduct.
   a. Three b. Five
   c. Seven d. Nine

3. You have been working with a couple in marital therapy for four months, with slow but notable progress. After a session one day, the wife pulls you aside and asks to make some individual appointments with you. You should:
   a. Refer her to another therapist.
   b. Wait until the completion of marital therapy and then see her individually.
   c. Terminate with the couple and see the woman individually.
   d. Encourage her to discuss any relevant issues within the context of marital therapy.

4. Informed consent from a client:
   a. Must always be in writing.
   b. Must always be in writing and in the client's native language.
   c. May be either verbal or in writing.
   d. May be either verbal or in writing but must be documented.

5. The right of both the provider and consumer to make choices and act, provided that the results do not affect others, is the ethical principle of:
   a. Patience b. Autonomy
   c. Beneficence d. Justice

6. Limits to confidentiality:
   a. Need to discuss helping experiences with supervisor
   b. Intent to harm self or others needs to be reported
   c. Theft d. None of these

7. In which year APA for the very first time published ethical standards for psychologists?
   a. 1952 b. 1953
   c. 1954 d. 1955

P.T.O.

8. When to protect human participants in research?
   a. Data is collected without obtaining personal information.
   b. Informed consent is not required.
   c. Behavior is observed in public domain.
   d. More than minimal risk is present.

9. What does APA ethical guideline say regarding duplicate publication of the data?
   a. Psychologists do not publish the data that has been published before in any case.
   b. Psychologist may publish the data that has been published before with permission and proper acknowledgement.
   c. Psychologist may publish the data that has been previously published without permission and acknowledgment.
   d. All the above.

10. Identify the term that refers to a post study interview in which all aspects of the study are revealed, reasons for the use of deception are given, and the participants' questions are answered?
   a. Desensitizing
   b. Debriefing
   c. Deploying
   d. Deception

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Economics of Pakistan

Course Code: ECON-232 / ECO-22320 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Provide short answers of the following (Maximum ten sentences per answer) (Marks=20)

i. What are the main **objectives of Fiscal Policy**? List at least five objectives.

ii. What is **sustainable Development** and List any five reasons for **its importance.**

iii. What is **Agenda 2030?**

iv. What is **World Bank** and its **Functions?**

v. How **Private Investment** can be attracted? Give any five suggestions,

vi. What are three major sub-sectors of **services sector** in Pakistan Economy?

vii. List two **Roads, two Rail and two Energy projects** under **CPEC.**

viii. What are the **five main causes of increasing unemployment** in Pakistan?

ix. List at least **five problems of Education Sector** in Pakistan.

x. How Pakistan can **boost its exports?** Give any five suggestions.

Q.3 Answer the following briefly (maximum 20 to 30 sentences per answer). (Marks: 30:10)

i) Discuss **salient features** of **Budget 2019-20**.

ii) Why **Kalabagh Dam** is vital for Economic Stability of Pakistan.Pl discuss.

iii) Is **Agriculture** in Pakistan already **over taxed**? Give your logical arguments for and against **Agriculture Income Tax.**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Economics of Pakistan

Course Code: ECON-232 / ECO-22320 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. As per Pakistan Economic Survey 2018-19, **GDP growth rate** is:
   a) 3.29 percent
   b) 2.8 percent
   c) 3.21 percent
   d) 3.9 percent

ii. EFF stands for :
   a) Extended Finance Facility
   b) Extended Fund Facility
   c) Extended Food facility
   d) Extended Foreign Funding

iii. **Agriculture Income Tax** is a
   a) Federal Tax
   b) Provincial Tax
   c) Local Government Tax
   d) None of the above

iv. **WPI** stands for
   a) Wholesale Price Index
   b) World population Index
   c) Water pricing Institute
   d) Wealth per Individual

v. The **12th Five Year Plan** period is
   a) 2018-2023
   b) 2019-2024
   c) 2020-2025
   d) 2021-2026

Vi. In the year 2018-19 the agriculture sector grew by
   a) 1.9 percent
   b) 1.5 percent
   c) 0.85 percent
   d) None of the above

Vii. Major tools of fiscal policy are:
   (a) Taxes and expenditure
   (b) consumption and investment
   (c) taxes and revenue
   (d) consumption and expenditure

viii. In the Budget for the year 2019-20 target of **Revenue for FBR** is
   a) PKR 5696 Billion
   b) PKR 5555 Billion
   c) PKR 4960 Billion
   d) PKR 4870 Billion

ix. At Present **GDP per capita at current prices** in Pakistan is
   a) $1,641
   b) $1,649
   c) $1,357
   d) $1,096

x. In terms of population, ranking of Pakistan in the world is.
   a) fourth
   b) fifth
   c) sixth
   d) seventh

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: English Language-IV
Course Code: EDE-106 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Answer the following short questions: (5x4=20 Marks)

i. How Liaquat Ali Khan introduce Pakistan to the Americans?
ii. Why did the writer see when he came out after the nuclear blast?
iii. What did the writer observe in the conduct of the polite bus conductor?
iv. What is the sound state of mind? (Tolerance)
v. Can the modern cult of beauty be a success?

Q.3. Translate the following into English: (15)

تاریخ کے اوراق قوموں کے عروج وزوال کی داستانوں سے بھرے پڑے ہیں۔ لیکن سپین میں اسلامی طاقت کی تاریخ سب سے زیادہ عجیب اور اثر انگیز ہے۔ سپین کے مسلمان جنہیں یورپ کے لوگ مورز کے نام سے یاد کرتے ہیں اپنے عروج کے زمانے میں مہذب دنیا کے رہنما سمجھے جاتے تھے۔ قرطبہ اور غرناطہ میں ان کی بنائی ہوئی عمارتوں کے کھنڈرات آج بھی ان کی عظمت رفتہ کے گواہ ہیں لیکن آج سپین ایک غیر مسلم ملک ہے۔

Q.4. Write a dialogue between two friends on the problems of "Illiteracy" in Pakistan". (15)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: English Language-IV
Course Code: EDE-106 Part–I (Compulsory) **Time: 15 Min. Marks: 10**

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. Whereas the Muslims were monotheists, the Hindus were.....
a) Antitheists b) Panthiests c) Polytheists d) Agnostheists

ii. What is death with life in the essay "*Whistling of Birds*"?
a) Compatible b) well-matched c) Incompatible d) Colourful

iii. When did the writer leave Nagasaki to return to his home in the country?
a) August 9, 1945 b) August 11, 1945 c) August 13, 1945 d) August 15, 1945

iv. Why did the tailor measure the writer round the chest, nowhere else?
a) To befool him b) To flatter him c) To adjust measure d) To save time

v. A face can cost as much in upkeep as a..... (The Beauty Industry)
a) Lambozine b) Ferrari c) Rolls-Royce d) Mercedes

vi. What used to fascinate the alchemists as Virginia Snake Root to the herbalists?
a) Gold b) Silver c) Mercury d) Sulphur

vii. The confirmed bachelor has the courage of his..... Of convictions.
a) Love b) Lack c) Abundance d) Experience

viii. If you don't like people,.....them as well as you can. Don't try to love them.
a) Keep away b) put off c) put up with d) Cherish

ix. There is no law that.....us to say 'please'.
a) Condemns b) Stops c) Compels d) Forbids

x. We are build to make mistakes.....
a) Error free b) Avoid error c) Correct error d) Coded for error

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: English-IV (Advance Academic Reading and Writing)
Course Code: ENG-204 / ENG-22103 Part – II **Time: 2 Hrs. 45 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q. 2. Write short answers to following questions. **(4x5=20 Marks)**

i. Write the difference between Strawman's Technique and Concession Technique.
ii. Define Report.
iii. How would you identify the faulty reading habits?
iv. Explain the difference between summary and analysis.

Q. 3. Write brief answers to the following. **(3x10=30 Marks)**

i. Elaborate the basic principles of Report Writing.
ii. How would you explain Academic Reading and Writing?
iii. Write an essay of about 300 words on ONE of the following topics;
The Role of Women in Society
OR
An Act of Heroism or Cowardice

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: English-IV (Advance Academic Reading and Writing)
Course Code: ENG-204 / ENG-22103 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. The precise, semi-formal impersonal and objective writing is:
   a. Technique
   b. Process
   c. Academic

ii. Reading is a complex cognitive process of_____ symbols.
   a. Encoding
   b. Decoding
   c. Coding

iii. The combination of two or more entities together to form something new is:
   a. Analysis
   b. Comprehension
   c. Synthesis

iv. A method, that communication researchers use to describe and interpret the written message is _____ analysis:
   a. Textual
   b. Verbal
   c. Oral

v. A systemic process to enhance the reading speed is:
   a. SQ3R
   b. SQ4R
   c. SQ1R

vi. In an academic term, a substantial research paper written by a student is called:
   a. Thesis
   b. Term paper
   c. Examination Paper

vii. Making judgments about the value of ideas or materials for a given purpose in a text is called:
   a. Comparison
   b. Evaluation
   c. Information

viii. Writing to readers who know little or nothing about the writer has to take an _____ stance:
   a. Inquisitive
   b. Informative
   c. Assertive

ix. Academic writing is writing done by scholars for:
   a. Readers
   b. Writers
   c. Scholars

x. A story designed to illustrate or teach truth, religious principles or moral lessons is:
   a. Short story
   b. Parable
   c. Essay

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: English-IV (Advance Academic Reading and Writing)
Course Code: ENG-204 / ENG-22103 Part–I (Compulsory) Time: 15 Min. Marks: 10

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UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: English-IV (English for Practical Aims)
Course Code: ENG-212 / ENG-22104 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Explain briefly the format of a CV? (10 marks)

Q.3. Write a follow- up letter after for a job interview you appeared in recently? (10 marks)

PART:III

Q.4 Write an essay on any one of the following topics: (10 marks)

Role of Social Media

Effects of Pollution

Internet Influence on Kids

Q.5. Write a cover letter in response to the following advertisement: (10 marks)

Tourist Guide with 5 year work experience.

Must be aware of the areas.

Social and pleasant personality.

Good Communication skills.

Q.6.What are the different stages of an interview? (10 marks)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: English-IV (English for Practical Aims)
Course Code: ENG-212 / ENG-22104 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

a) Controversy

- Debate
- Unanimous decision
- Agreement
- Talk

b) brevity

- Explanation
- Detail
- Lengthy
- brief

c) contaminated

- pure
- impure
- original
- real

d) Ambiguity

- simple
- clear
- complex
- difficult

e) Appall

- to fill with horror
- surprised
- amazed
- shocked

f) cut back on

- decrease
- increase
- addition
- division

g) cry out

- to weep
- to scream
- in great need of
- to call someone

h) lament

- doleful
- joy
- mirth
- regret

i) redress

- exculpate
- mistake
- sin
- crime

j) Disgusting

- dislike
- defile
- admire
- like

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Financial Accounting (Advanced)

Course Code: BBA-205 / BUS-22352 Part – I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. **A general ledger account that summarizes the content of a specific subsidiary ledger, is called as:**

   a. contra account b. subsidiary account c. controlling account d. joint account

2. **_____ refers to the repeating sequence of transactions by which a business generates its revenue and cash receipts from customers.**

   a. accounting cycle b. operating cycle
   c. profit cycle d. sales cycle

3. **The systematic allocation of the cost of a tangible asset to expense during the period of its useful life, is called:**

   a. depreciation b. amortization c. depletion d. shrinkage

4. **_____ is an obligation to deliver goods or render services in the future, stemming from the receipt of advance payment.**

   a. prepaid expense b. accrued expense c. accrued revenue d. unearned revenue

5. **Which of the following statements is produced to determine financial position of the business?**

   a. Statement of owner's equity b. Statement of financial position
   c. Statement of cash flows d. Income statement

6. **Planning, controlling, and accounting for cash transactions and cash balances, is called:**

   a. bank reconciliation b. cash book c. cash cycle d. cash management

7. **Cash and assets convertible directly into known amounts of cash, are known as:**

   a. plant assets b. financial assets c. tangible assets d. intangible assets

P.T.O.

8. _____ is a method of valuing all units in inventory at the same average per-unit cost, which is recomputed after every purchase.

a. average-cost method
b. last-in, first-out method
c. specific identification
d. first-in, first-out method

9. Journal entries made at the end of the period for the purpose of closing temporary accounts and transferring balances to the Retained Earnings account, are called:

a. closing entries
b. adjusting entries
c. rectifying entries
d. reverse entries

10. _____ is a generally accepted accounting principle that determines when expenses should be recorded in the accounting records.

a. materiality principle
b. realization principle
c. cost principle
d. matching principle

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Financial Accounting (Advanced)
Course Code: BBA-205 / BUS-22352 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give short answers. **(10x2=20)**

I. What is meant by **Lower-of-cost-or-market (LCM)?**
II. Define **Intangible Assets.**
III. Define **Residual value.**
IV. What is **Net realizable value?**
V. Define **Marketable securities.**
VI. What is meant by **Aging the accounts receivable?**
VII. Define **Straight-line depreciation.**
VIII. Define **Bank reconciliation.**
IX. Define **Amortization.**
X. Define **Periodic inventory system.**

Q3. Lamprino Appliance uses a perpetual inventory system. The following are three recent merchandising transactions:

June 10 Purchased 10 televisions from Mitsu Industries on account. Invoice price $300 per unit, for a total of $3,000. The terms of purchase were 2/10, n/30.

June 15 Sold one of these televisions for $450 cash.

June 20 Paid the account payable to Mitsu Industries within the discount period.

Instructions:

a. **Prepare journal entries to record these transactions assuming that Lamprino records purchases of merchandise at:**
   1. **Net cost**
   2. **Gross invoice price**

b. **Assume that Lamprino did not pay Mitsu Industries within the discount period but instead paid the full invoice price on July 10. Prepare journal entries to record this payment assuming that the original liability had been recorded at:**
   1. **Net cost**
   2. **Gross invoice price** **(10)**

Q4. The Audiophile sells high-performance stereo equipment. Massachusetts Acoustic recently introduced the Carnegie-440, a state-of-the-art speaker system. During the current year, The Audiophile purchased nine of these speaker systems at the following dates and acquisition costs:

Date	Units Purchased	Unit Cost	Total Cost
Oct. 1	2	$3,000	$6,000
Nov. 17	3	3,200	9,600
Dec. 1	4	3,250	13,000
Available for sale during the year	9		$28,600

On November 21, The Audiophile sold four of these speaker systems to the Boston Symphony. The other five Carnegie-440s remained at December 31.

Instructions:

Assume that The Audiophile uses a perpetual inventory system. Compute:

(1) the cost of goods sold relating to the sale of Carnegie-440 speakers to the Boston Symphony and

(2) the ending inventory of these speakers at December 31, using each of the following flow assumptions:

a. Average cost
b. First-in, first-out (FIFO)
c. Last-in, first-out (LIFO)

Show the number of units and the unit costs of the cost layers comprising the cost of goods sold and the ending inventory. (10)

Q5. Mystic Masters, Inc., provides fortunetelling services over the internet. In recent years the company has experienced severe financial difficulty. Its accountant prepares adjusting entries on a monthly basis, and closing entries on an annual basis, at December 31. An adjusted trial balance dated December 31, 2018, follows:

MYSTIC MASTERS

Adjusted Trial Balance

December 31, 2018

	Debits	Credits
Cash	$960	
Accounts receivable	300	
Unexpired insurance	2,000	
Prepaid rent	1,500	
Supplies	200	
Furniture and fixtures	8,400	
Accumulated depreciation: furniture and fixtures		$5,200
Accounts payable		6,500
Notes payable		24,000
Salaries payable		1,700
Interest payable		360
Unearned client revenue		200
Capital stock		4,000
Retained earnings		2,600
Client revenue earned		52,000
Insurance expense	6,000	
Office rent expense	9,000	
Supplies expense	440	
Salary expense	48,000	
Depreciation expense: furniture and fixtures	1,400	
Office and telephone expense	3,000	
Internet service expense	4,900	
Legal expense	1,500	
Interest expense	4,000	
Miscellaneous expense	5,000	
	$96,600	$96,600

Instructions:

a. **Prepare an income statement and statement of retained earnings for the year ended Dec. 31, 2018. Also prepare the studio's balance sheet dated Dec. 31, 2018.**

b. **Prepare the necessary closing entries at Dec. 31, 2018.**

c. **Prepare an after-closing trial balance dated Dec. 31, 2018.** **(10)**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Geography

Course Code: GEOG-211 / GEN-22115 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which of the following is an important branch of Physical Geography?

a) Geology b) Oceanography c) Sociology d) None of these

2. _____ is a field of geography that deals with the study of the physical features of the surface of the earth.

a) Cartography b) Climatology c) Surveying d) Geomorphology

3. Which of the following is a type of intrusive igneous rocks?

a) Lime stone b) Granite c) Diorite d) Only b & c

4. Which of the following planet in our solar system has TWO moons?

a) Mercury b) Venus c) Mars d) Jupiter

5. The globe is divided into _____ time zones.

a) 04 b) 12 c) 18 d) 24

6. SIAL and SIMA layers are found in the _____.

a) Lithosphere b) Mantle c) Outer Core d) Inner core

7. The atmospheric humidity is measured by _____.

a) Anemometer b) Barometer c) Thermometer d) Hygrometer

8. _____ is the most abundantly found gas in the Atmosphere?

a) Nitrogen b) Hydrogen c) Oxygen d) Argon

9. Which of the following is considered to be the smallest ocean in the world?

a) Pacific b) Atlantic c) Indian d) Arctic

10. Which of the following is an ocean current?

a) Westerlies b) Gulf stream c) Easterlies d) None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Geography
Course Code: GEOG-211 / GEN-22115 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give short answers to the following questions: (02 marks each)

1. Define Human Geography?
2. Define map and enlist its various types.
3. Briefly explain the main branches of Geography.
4. Differentiate between Map and Globe?
5. What are the main characteristics of Geographic Coordinate System?
6. Enlist the different types of sedimentary rocks and their sub types as well.
7. Differentiate between Solar and Lunar Eclipses.
8. What is Geological Time Scale?
9. What are the main elements of Weather and Climate?
10. What are Ocean currents?

Q3. Attempt all questions (10 marks each)

1. Write a detailed note on main themes of Geography
2. Explain in detail about the internal structure of the Earth surface.
3. Write a comprehensive note on the Rotational and Revolutionary movements of Earth and the resulting phenomena.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Gender Based Violence
Course Code: GS-208 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. When was Child Marriage and Child Marriage Restraint Act passed?
a) 1929 b) 1942 c) 1958

ii. Do forced marriages come under Gender Based Violence umbrella or not?
a) Yes b) No c) Partially

iii. What was introduced to alleviate the grievances against Hudood Ordinance?
a) Declaration of Human Rights
b) Women Protection Bill
c) Prevention of Anti Women Practices

iv. Exchange and Resource is commonly used for theoretical explanation of:
a) Gender Based Violence
b) Domestic economic issues
c) Gender pay gap

v. Who is the current Minister for Human rights?
a) Murad Ras b) Dr. Shireen Mazari c) Mehdi Hasan

vi. Where is the head quarter of Amnesty International located?
a) New York b) Washington D.C. c) London

vii. When was Aurat Foundation formed?
a) 1986 b) 1996 c) 1990

viii. The Declaration of Human Rights was adopted as a resolution by:
a) UN b) OIC c) SAARC

ix. Protection against Harassment of Women at Workplace Act was passed in:
a) 2010 b) 2017 c) 2009

x. Gender based Violence has a significant impact on psychological well-being of the whole family.
a) True b) False c) Maybe

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Gender Based Violence
Course Code: GS-208 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Each question carries 5 marks (20)

1. What are the main features of Anti Women Practices Act 2011?

2. Name a few notable national and international organizations working for GBV?

3. Women Protection Bill was a milestone for women emancipation movement in Pakistan? Briefly agree or disagree with valid points.

4. Are there any psychological effects on children who witness GBV? If yes, how does it affect them in long term?

Q.3. Each Question Carries 10 marks (30)

1. What is gender based violence, its different types and the contributing factors? Explain in detail.

2. What are the theoretical explanations of gender based violence? Shed light in regard to social learning theory, exchange and resource theory and feminist theory?

3. Which legislations have been introduced in Pakistan regarding Gender Based Violence? Do you think they have played any significant part in lessening this evil in our society?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Gender and Population
Course Code: GS-209 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

Roll No. in Fig. .....
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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The movement of people from one country to another is called
   - Migration
   - Rural to urban migration
   - International migration
2. Infant Mortality Rate of Pakistan is
   - 62/1000
   - 50/1000
   - 45/1000
3. All of the following are reasons for urbanization EXCEPT:
   - Rent is more affordable in urban areas
   - Urban areas have better healthcare and educational facilities
   - There are more jobs available in urban areas
4. Pakistan Total Fertility Rate as per 2017 Census is
   - 3.4
   - 5.5
   - 6.3
5. Punjab Population as per 2017 Census
   - 110,012,442
   - 73,621,000
   - 207,774,520

P.T.O.

6. Punjab Population Policy approved in..

- 2014
- 2010
- 2017

7. "Principle of Population" (1798) was written by ...

- Karl Marx
- Thomas Robert Malthus
- J.S. Mill

8. What is Infertility??

- An inability to Conceive
- Ability to Conceive
- Potential reproductive capacity of a female

9. Followings are not Modern method of Family Planning..

- Standard Days Method
- Intra Uterine Devices
- Injectable & Orals Pills

10. What are **6 essential nutrients your body needs...**

1-	**2-**	**3-**
4-	**5-**	**6-**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Gender and Population
Course Code: GS-209 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question No 02: Define any TWO of following briefly. Each item carries 10 marks. (Marks: 20)

1. What do you know about Theories of Population growth?
2. Briefly explain the relation between population and sustainable development?
3. Explain role of Public and private sector to accelerate Family Planning Programme.

Question No 03: Answer any THREE of following questions in detail. Each question carries 10 marks. (Marks: 30)

a. Describe Punjab Population Policy.
b. Describe reasons of high Infant mortality in Pakistan.
c. Write a detail note on Post Natal Care.
d. What is Fertility and its determinants?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Gender and Health
Course Code: GS-210 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. A myth of nature
   (a) Is the earliest type of religious story
   (b) Is the latest type of religious story
   (c) Has no religious stories
   (d) Is theistic

ii. In the myths of liberation, the primary goal of religion is
   (a) To perform rituals.
   (b) To affirm the rhythms of nature.
   (c) To eliminate desire and achieve liberation from rebirth.
   (d) To rid oneself of sin.

iii. The National Institute of Health and Care Excellence definition of infertility is:
   (a) Failure to conceive at a time of one's choosing
   (b) Failure to conceive for a period of two years
   (c) Failure to conceive after frequent unprotected sexual intercourse for one to two years in couples in the reproductive age group
   (d) Failure to conceive after frequent unprotected sexual intercourse for ten years in couples in the reproductive age group

   The National Institute of Health and Care Excellence definition of infertility is "failure to conceive after frequent unprotected sexual intercourse for one to two years in couples in the reproductive age group". By this definition infertility affects approximately one in seven heterosexual couples at some point during their reproductive lives.

iv. The Human Fertilisation and Embryology Act 1990:
   (a) Aims to promote safe and ethical use of assisted reproductive technologies
   (b) Was amended by the Human Fertilisation and Embryology Act 2008
   (c) Provides the legal framework for the regulation of infertility treatment and research
   (d) All of the options are correct

   Feedback:
   The Human Fertilisation and Embryology Act 1990 provides the legal framework for the regulation of infertility treatment and research and is intended to promote safe and ethical use of assisted reproductive technologies. The Act has been subject to piecemeal amendment by legislation such as the Human Fertilisation and Embryology (Deceased Fathers) Act 2003 and the Human Fertilisation and Embryology Authority (Disclosure of Donor Information) Regulations 2004. A major review of the 1990 Act commenced in 2004 and resulted in the Human Fertilisation and Embryology Act 2008 which serves mainly to amend the 1990 Act

P.T.O.

v. Pre-implantation genetic diagnosis is:
   (a) A way of creating designer babies
   (b) Regulated by the common law
   (c) Used for sex selection for social reasons
   (d) A way of screening embryos to ascertain their genetic composition prior to implantation.

   Pre-implantation genetic diagnosis is a technique to screen embryos to ascertain their genetic makeup prior to implantation following *in vitro* fertilisation. It is used to screen embryos for inherited medical conditions that could seriously affect the infant. It can also be used to identify whether an embryo has a sex related medical condition. It cannot be used (lawfully) for sex selection for family balancing.

vi. According to current UK recommendations, which of the following nutrient supplements should a woman consume during pregnancy?
   (a) Folic Acid and Vitamin D
   (b) Iron
   (c) Vitamin A

vii. Which of these best describes the concept of hegemonic masculinity?
   (a) The inherent promotion of feminine characteristics in society.
   (b) Social dominance of men over women that results from the designation of 'masculine' characteristics as more valued than 'feminine' characteristics.
   (c) All of the above.
   (d) The acknowledgement that gender identity exists in many forms and is not binary.

viii. Maternal weight gain is usually monitored in pregnancy. Which of the following statements is/are True?
   (a) Research to define pattern and level of optimal weight gain is ongoing
   (b) Both inadequate and excessive weight gain are associated with poorer maternal and infant health outcomes
   (c) Excessive maternal weight gain in pregnancy has been linked to obesity in the offspring
   (d) All the above

ix. Among the following statements which is not an object of gender Sensitization programme.
   (a) Promoting societal awareness to gender issues
   (b) Review of curriculum and education materials to remove gender bias
   (c) Remove of all derogatory, references to the dignity of women
   (d) Removal of caste hierarchy from the society

x. In Pakistan, the first Psychology department to offer a course of Gender Studies in their programs was ....
   (a) LUMS
   (b) Beacon house National University
   (c) Muhammad Ali Jinnah University
   (d) Shaheed Benazir Bhutto City University

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Gender and Health
Course Code: GS-210 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Answers the short Questions. Each carry equal marks. (2x10=20)

i. Write a note on the following

How Gender effects Health?

OR

Women's health issues in the light of human rights

ii. Compared with men, the number of women living below the poverty line increased between 1970 and 1980.Discuss the reasons behind it.

Q.3. Answer the following questions Briefly. (2x15=30)

i. How gender differences effect health? specially in developing countries.

ii. What are the major challenges to developing countries while access to health care and services?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Gender Issue in Psychology (Revised)
Course Code: APSY-243 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Part 2 (Answer shortly to the given Questions) (5 marks each)

1. Explain gender as a social category.
2. What are the sex differences in brain architecture?
3. What are contemporary gender issues in Pakistan? Discuss briefly.
4. Briefly explain cognitive theories of aggression.

Part 3 (Answer briefly to the given Questions) (10 marks each)

1. Explain in detail sexual harassment. Also, describe the characteristics of its perpetrators and victims.
2. Discuss in detail the theories of gender.
3. Write and detailed note on Women and law.

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Gender Issue in Psychology (Revised)
Course Code: APSY-243 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. The traits, behaviors and interests that society has assigned to the male gender role composed the concept of _____ within that society.

a) Male power
b) Male dominance
c) Femininity
d) Masculinity

ii. Analysis of gender inequality in both public and private sphere of the family and intimate relationships is called

a) Gender Roles
b) Sexual Politics
c) Gender Stereotype
d) Sexual Patriarchy

iii. Label determined by biological sex that is applied either to the self or other people is called

a) Gender identity
b) Gender schematic
c) Gender role
d) Gender Stereotype

iv. The tendency for a person to reproduce the actions, attitudes and emotional responses exhibited by real life or symbolic models is called

a) Modeling
b) Conforming to stereotypes
c) Social Schema
d) Gender Culture

v. In _____, masculinity and femininity were considered as polarities.

a) MMPI
b) Personal Attribute questionnaire
c) Bem Sex Role Inventory
d) Gender Configuration Scale

P.T.O.

vi. Ministry of Women Development Pakistan was established as an independent ministry in _____

a) 2004
b) 2006
c)2005
d) 2009

vii. Females frequently considered having higher specialty in:

a) Spatial
b) Language
c) Mathematical
d) Cognitive

viii. According to Psychoanalytic approach, development of gender occur in _____ stage

a) Oral
b) Phallic
c) Anal
d) Genital

ix. Under the Acid Control and Acid Crime Prevention Bill 2011, the perpetrator can be sentenced up to maximum _____ imprisonment.

a) 10 years
b) 14 years
c) 12 years
d) 16 years

x. Hudood Ordinances were enacted in _____

a) 1989
b) 1980
c) 1969
d) 1979

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: General Science
Course Code: GS-211 / EDU-11135 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The total number of state of matter is
a) 2 b) 3 c) 4 d) 5

2. F=ma is the equation of
a) Force b) Acceleration c)Velocity d) None of these

3. A series of hypothesis supported by results of many tests is called
b) Observation b) Hypothesis c) Theory d) Law

4. The chromosome number became half in
a) Mitosis b) Meiosis c) Cell division d) Cloning

5. The product of force and displacement is
a) Work b) Power c) Friction d) All of These

6. The chloroplast is present in
a) Animal Cell b) Plant Cell c) Both a&b d) None of these

7. Stomach is the working unit of
a) Circulatory system b) Digestive System c) Excretory system
d) Reproductive System

8. The chemical formula of caustic soda is
a) Na_2CO_3 b) $NaHCO_3$ c) NaOH d) $CaCO_3$

9. Heterotrophic organisms are
a) Plants b) Algae c) Fungi d) Kelps

10. Nephron is the functional unit of human
a) Kidney b) Intestine c) Heart d) Non of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: General Science
Course Code: GS-211 / EDU-11135 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SHORT QUESTIONS

20 Marks

Q2. Answer briefly the following questions. Each question carries two marks.

1. Differentiate between Homogenous and Heterogeneous Solution.
2. State Second Law of Motion.
3. Write the formulae of Copper sulphate and Glucose.
4. Give one method for the preparation of Hydrogen Gas.
5. What are Halogens?
6. Differentiate between Arteries and Veins.
7. State Law of Conservation of Energy.
8. Enlist Biotic and A-biotic components of Ecosystem.
9. Draw a typical animal cell.
10. Differentiate between Metals and Non-Metals.

SUBJECTIVE QUESTIONS

(30 Marks)

Q3. Answer the Following Questions.

1. Define the following terms (2 x5= 10 Marks)

i. Hypothesis ii. Speed and velocity iii. Work

iv. Evaporation v. Food Chain

2. What is a Cell? Differentiate between Animal and Plant Cell. (10 Marks)

3. Describe Human Female Reproductive System. (10 Marks)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Human Biology
Course Code: BIO-221 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

Roll No. in Fig. .....
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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. In muscle tissue cells, _____ are very well developed and responsible for contraction and relaxation.
- a. Rough Endoplasmic reticulum
- b. Smooth Endoplasmic reticulum
- c. Actin and Myosin
- d. Peroxisomes

ii. DNA is composed of the following.
- a. Amino acids
- b. Deoxyribonucleotides (A/T/C/G)
- c. Wax
- d. Carbohydrates

iii. _____ is NOT found in plants.
- a. Irritability
- b. Adaptation
- c. Locomotion
- d. Growth

iv. _____ are the biocatalysts in a living organisms.
- a. Polyisoprenoids
- b. Enzymes
- c. Cholesterol
- d. Sugars

v. Alternative form of a gene that exists in a population is called _____.
- a. Deoxyribonucleotide
- b. Allele
- c. Centriole
- d. Entropy

vi. Water is made due to _____ bond between one oxygen and two hydrogen atoms.
- a. Ionic bonds
- b. Covalent Bonds
- c. Hydrogen Bonds
- d. Van der Waal forces

vii. Nutrients exchange between blood and cells takes place across _____.
- a. Arteries
- b. Veins
- c. Capillaries
- d. None of the above

viii. Human heart is composed of _____ compartments.
- a. Three
- b. Four
- c. Five
- d. Six

ix. _____ play role in immunity.
- a. Red Blood Cells
- b. White Blood Cells
- d. Platelets
- d. None of the above

x. The pancreatic duct and the bile duct opens into _____.
- a. Jejunum
- b. Duodenum
- c. Ileum
- d. Colon

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Human Biology
Course Code: BIO-221 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

2. Give short answers to the following questions. Each question carries 5 marks. (20)

i. What is respiration? What purpose does it serves? Give its generalized equation.

ii. What are the 3 major nutrient molecules? Give three sources of each.

iii. What is the pH of the stomach. What enzymes it contains and what are their functions?

iv. Why the cortex of the kidneys appears to have reddish dots? And why medulla of the kidneys appears to have stripes/striations?

3. Give answers of the following questions. Each question carries 10 marks. (30)

i. Describe the 4 major types of tissues found in the human body. Also give their examples and functions.

ii. Draw and label the structure of a nephron. Describe how blood is filtered and urine is created different parts of nephron work to filter the blood and make urine.

iii. Draw and label the structure of a neuron (nerve cell). Describe in detail how Reflex action occurs.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Literature-IV (History of Literature-II)
Course Code: ENG-205/22336 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q # 2

SHORT QUESTIONS (2×5)

Provide brief answers to the following questions.

1. What is meant by cultural poetics?
2. Enumerate the salient features of surrealism.
3. Briefly explain the tenets of poststructuralism.
4. Who is the author of The Myth of Sisyphus?
5. When did Symbolism start as a literary movement?

Q # 3

LONG QUESTIONS (2×15)

1. Introduce the chief features of postmodernism as a literary movement.
2. How does Realism view life? What are the basic principles of realistic imitation?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Literature-IV (History of Literature-II)
Course Code: ENG-205/22336 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Symbolism started in .....
   a. 17th century
   b. 20th century
   c. 19th century
   d. 18th century
2. Epiphany is a brief moment of .....
   a. Enlightenment
   b. Forgetfulness
   c. Blindness
   d. Sadness
3. Roman Jakobson was a .....Writer.
   a. Swiss
   b. German
   c. English
   d. Russian
4. Postmodernism is concerned with representation and .....
   a. Beauty
   b. Hyperreality
   c. Form
   d. Modernity
5. .....and .....contributed to New Historicism
   a. Stephen Greenblatt and Michel Foucault
   b. Deleuz and Gattari
   c. Ibsen and Chekhov
   d. Breton and Zola
6. *Thus spoke Zarathustra* is a well- known text by.....
   a. Sartre
   b. Foucault
   c. Emerson
   d. Nietzsche

P.T.O.

7. Andre Breton published the.....
   a. The Count of Montecristo
   b. Manifesto of surrealism
   c. Stranger
   d. In Search Of Lost Times
8. Social Realism started during the .....in USA in 1930s.
   a. World War II
   b. Civil war
   c. Great Depression
   d. French Revolution
9. ..... are famous absurdist playwrights.
   a. Beckett, Ionesco and Jean Jenet
   b. Simone de Beauvoir and Tolstoy
   c. Hemmingway and Gertrude Stein
   d. Marlowe and Shakespeare
10. Jean Paul Sartre was a .....novelist.
   a. French
   b. Italian
   c. German
   d. Polish

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Intermediate Macro Economics
Course Code: ECON-203 / ECO-22318 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question 2

Short Questions: Write a note on the following. (5 x 4 = 20 marks)

1. Why unemployment is not zero even when the economy is booming?
2. Keynesian School of thought
3. Effect of large underground economy on GDP
4. Life-cycle income hypothesis
5. Unemployment in Pakistan

Question 3

(10)

Consider the data in the following Table for the year 2017. Firm X produces machines. Some machines are sold to domestic Firm Y, some of the machines are sold to foreigners and some of machines are held as inventory. In all years, the price of machines is 1 dollar. Firm Y uses labor and machines to produce apples. In year 2016, Firm Y owned 30 dollars of machines. In year 2017, Firm Y purchases new machines for 20 dollars from Firm X and hires labor for 15 dollars. Each machine that Firm Y currently operates in its production process produces a 2 dollar sale of apples.

Firm	Transaction	Dollars
Firm X	Wages to Domestic Employees	10
	Sales of Machines to Y	20
	Sales of Machines to Foreigners	6
	Unsold Machines	3
Firm Y	Wages to Domestic Employees	15
	Purchases of Machines from X	20
	Sales of Apples to Domestic Consumers	???

a. How much does Firm Y sell to domestic consumers (the missing number in the Table)?
b. Compute GDP for year 2017 using the expenditure approach. (Y = C + I +G+X –M)
c. What is the value-added of each firm in this economy?

Question 4

(10)

In permanent income hypothesis model:

a. Explain why the marginal propensity to consume out of current income is positive but low.
b. If the government takes away Rs. 1000 from all consumers in the first period in the form of lump-sum taxes, and return these Rs. 1000 in the form of transfers in the second period; does consumption in the first period go up, stay the same, or go down? What about consumption in the second period? Explain.

Question 5

(10)

What is quantity theory of money? Explain. Discuss the criticism to this theory.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Intermediate Macro Economics

Course Code: ECON-203 / ECO-22318 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Mr. Ashraf paid Rs. 1000 per month for house cleaning to a cleaning company in 2017. In 2018, he decided to clean the house himself. Assuming ceteris paribus,
   a. GDP in 2018 will be Rs. 1000 less than GDP in 2017.
   b. GDP in 2018 will be Rs. 12,000 less than GDP in 2017.
   c. GDP in 2018 will be Rs. 12,000 less than GDP in 2017.
   d. GDP in 2018 will remain the same as GDP in 2017.
2. During a recession,
   a. Real GDP per capita increases while real GDP per worker decreases.
   b. Real GDP per capita decreases while real GDP per worker increases.
   c. both real GDP per capita and real GDP per worker always decrease.
   d. both real GDP per capita and real GDP per worker always increase.
3. Durables account for a smaller fraction of consumption than non-durables, but durables are more volatile (i.e. variable) than non-durables along the business cycle.
   a. True
   b. False
4. If the nominal interest rate is 3% and the real interest rate is 2%, then expected inflation must be
   a. 3%
   b. 2%
   c. 5%.
   d. 1%
5. Philips curve represents the tradeoff between
   a. Consumption and Savings
   b. Unemployment and output
   c. Inflation and unemployment
   d. Inflation and output
6. Permanent income hypothesis claims that:
   a. Everyone should have a guaranteed permanent income.
   b. Individuals make decisions based on permanent income.
   c. Permanent income leads to higher savings.
   d. All of the above.
7. Structural unemployment occurs because:
   a. Once building structures are completed, workers are no longer needed.
   b. Certain economic sectors become obsolete after some time.
   c. Government's policy of hiring freeze.
   d. None of the above.

P.T.O.

8. Modern central banks set target discount rate based on:
   a. Expected inflation
   b. Demand and supply of money
   c. Foreign exchange rate
   d. None of the above.
9. Okun's law is the relation between
   a. Consumption and Savings
   b. Unemployment and output
   c. Inflation and unemployment
   d. Inflation and output
10. A machine is produced in 2010. If this machine is used as an intermediate input in the 2010 production of a final good, then we must:
   a. exclude its value in computation of the 2010 GDP.
   b. include its value in computation of the 2010 GDP.
   c. include its value in computation of the 2010 GDP and exclude the value of the final good.
   d. None of the above.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Intermediate Macro Economics
Course Code: ECON-203 / ECO-22318 Part – II **Time: 2 Hrs. 45 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question 2

Short Questions: Write a note on the following. (5 x 4 = 20 marks)

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2. Keynesian School of thought
3. Effect of large underground economy on GDP
4. Life-cycle income hypothesis
5. Unemployment in Pakistan

Question 3 (10)

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Firm Y	Wages to Domestic Employees	15
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	Sales of Apples to Domestic Consumers	???

a. How much does Firm Y sell to domestic consumers (the missing number in the Table)?
b. Compute GDP for year 2017 using the expenditure approach. (Y = C + I +G+X –M)
c. What is the value-added of each firm in this economy?

Question 4 (10)

In permanent income hypothesis model:

a. Explain why the marginal propensity to consume out of current income is positive but low.
b. If the government takes away Rs. 1000 from all consumers in the first period in the form of lump-sum taxes, and return these Rs. 1000 in the form of transfers in the second period; does consumption in the first period go up, stay the same, or go down? What about consumption in the second period? Explain.

Question 5 (10)

What is quantity theory of money? Explain. Discuss the criticism to this theory.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Islam and Modern Political Thoughts

Course Code: ISE-206 / ISL-22427 Part – I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....

Roll No. in Words. .....

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

سوال نمبر1: مندرجہ ذیل سوالات کے درست جواب پر (✓) کا نشان لگائیے، کاٹ کر لکھا گیا جواب درست تسلیم نہ ہو گا۔ (1x10=10)

(i) "The social Contract" کس کی تصنیف ہے؟

(الف) میکاولی (ب) کارل مارکس (ج) روسو

(ii) میکاولی کا تعلق کس ملک سے تھا؟

(الف) برطانیہ (ب) اٹلی (ج) فرانس

(iii) "اسلامی ریاست" کس کی تصنیف ہے؟

(الف) امین احسن اصلاحی (ب) مولانا گوہر رحمٰن (ج) رشید احمد

(iv) "الاحکام السلطانیہ" کس کی تصنیف ہے؟

(الف) ابنِ تیمیہ (ب) شاہ ولی اللہ (ج) الماوردی

(v) کارل مارکس کا تعلق کس ملک سے تھا؟

(الف) فرانس (ب) جرمنی (ج) اٹلی

(vi) میکاولی کس صدی عیسوی کا سیاسی مفکر ہے؟

(الف) سولہویں (ب) سترہویں (ج) اٹھارویں

(vii) اشتراکیت کا حامی سیاسی مفکر کون ہے؟

(الف) روسو (ب) کارل مارکس (ج) میکاولی

(viii) "خلافت وملوکیت" کس کی تصنیف ہے؟

(الف) مولانا مودودی (ب) امین احسن اصلاحی (ج) گوہر رحمٰن

(ix) "کتاب العبر" کس کی تصنیف ہے؟

(الف) الماوردی (ب) فارابی (ج) ابنِ خلدون

(x) "عہد نبوی میں نظام حکمرانی" کس کی تصنیف ہے؟

(الف) رشید احمد (ب) ڈاکٹر حمید اللہ (ج) مولانا حامد انصاری

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Islam and Modern Political Thoughts
Course Code: ISE-206 / ISL-22427 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

اس پرچہ کو مہیا کی گئی جوابی کاپی پر حل کریں۔

سوال نمبر2: درج ذیل سوالات کے مختصر جوابات دیں۔ (10x2=20)

(i) سوشلزم کی کوئی سی دو خصوصیات تحریر کیجئے۔

(ii) "اسلام کا نظام حکومت" کس کی تصنیف ہے؟

(iii) فارابی کا سالِ وفات تحریر کیجئے۔

(iv) اسلام میں اقتدار اعلیٰ کا اصل مالک کون ہے؟

(v) علامہ اقبال کی کوئی سے دو کُتب کے نام تحریر کیجئے؟

(vi) خلافتِ راشدہ کی کوئی سی دو خصوصیات تحریر کیجئے۔

(vii) عدل کے بارے میں کوئی ایک حدیث نبوی ﷺ تحریر کیجئے۔

(viii) اسلامی دستور کے کوئی سے دو مآخذ تحریر کیجئے۔

(ix) فارابی کے سیاسی نظریات میں سے کوئی سے دو کی نشاندہی کیجئے۔

(x) سیاست سے متعلق کوئی سی دو انگریزی کُتب کے نام تحریر کیجئے۔

سوال نمبر3: درج ذیل سوالات کے تفصیلی جوابات درج کریں۔ (3x10=30)

i. اسلامی ریاست کی خصوصیات تحریر کیجئے۔

ii. شاہ ولی اللہ کی حیات و خدمات اور سیاسی نظریات پر سیر حاصل بحث کیجئے۔

iii. جمہوریت کی خوبیاں اور خامیاں تحریر کیجئے۔

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Gender Studies
Course Code: GEND-211 / GEN-22138 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Roll No. in Words. .....

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Women empowerment increase due to
   a. Increase in literacy
   b. Financial independence
   c. In the level of literacy
   d. All of above
2. The maximum number of year that an individual could live
   a. Life span
   b. Life expectancy
   c. Birth rate
   d. Fertility
3. Which one is by contrast, concern the psychological, social and cultural difference:
   a. Sex
   b. Gender
   c. Individual
   d. Culture
4. WID approach believes in :
   a. Gender mainstreaming
   b. Gender Segregation
   c. Incorporating women in development activities
   d. None of these
5. Biological characteristics distinguishing male from female is called
   a. Heterosexuality
   b. Gender
   c. Sex
   d. Homosexuality

P.T.O.

6. Mark the correct answer about Gender's Studies from the following
    a. It is a Social Science
    b. It is an academic discipline
    c. Both a and b
    d. It is narratives of women by women
7. A person who supports feminism is called
    a. Feminist
    b. Female
    c. male feminists
    d. None of the above
8. What WMA stands for?
    a. Women Action Associate
    b. Women Action Forum
    c. Women Man Forum
    d. None of these
9. Liberal Feminism is against what type of difference?
    a. Biological differences
    b. Cultural differences
    c. Social differences
    d. Religious differences
10. Women's studies became an academic discipline during?
    a. First wave feminism
    b. Second wave feminism
    c. Third wave feminism
    d. Fourth wave feminism

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Gender Studies
Course Code: GEND-211 / GEN-22138 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SHORT QUESTIONS

Q.2. Define the following with example. (5x4=20)

i. Collective and property rights

ii. Gender and education

iii. Power and Patriarchy

iv. Nature of Human Rights

v. Formal and informal social control

LONG QUESTION

Q.3. Questions with brief answers. (3x10=30)

i. Discuss major feminist perspectives. Explain with examples.

ii. Discuss problems of Gender development and roles of development aid in gender development.

iii. Explain two types of crime with examples.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Sociology & Sociological Theories
Course Code: GS-207 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Social research motivates inter-disciplinary study.
   a. True
   b. False
2. All of the following are social sciences except
   a. Anthropology
   b. Geology
   c. Economics
   d. Political science
3. All of these theories considered themselves to be sociologists, except
   a. Emile Durkheim
   b. Herbert Spencer
   c. Karl Marx
   d. Auguste Comte
4. Social system consists of two or more individuals among whom we find an established pattern of _____.
   a. Interaction
   b. Communication
   c. Association
   d. Relation
5. According to Karl Marx, capitalists, who own the means of production, exploit the
   a. Bourgeoisie
   b. Proletariat
   c. Peasants
   d. Masses
6. _____steps are involved in scientific research.
   a. Four
   b. Six
   c. Seven
   d. Ten
7. Boxing is an example of
   a. Physical interaction
   b. Social group
   c. Social interaction
   d. Symbolic interaction

P.T.O.

8. Exchange theory is based on
    a. Conflict theory
    b. Symbolic interactionism
    c. Functionalism
    d. Macro sociological perspective
9. Sociologists who study social class and how groups are related to one another are using
    a. Dramaturgy
    b. Ethnomethodology
    c. Macrosociology
    d. Microsociology
10. Which one is the example of social interaction
    a. Exercise
    b. Riding
    c. Swimming
    d. gossip

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Sociology & Sociological Theories

Course Code: GS-207 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q 2: Write the short note on any FOUR of the following. 20 marks (5 each)

1. Social Interaction
2. Social Change
3. Social stratification
4. Sociology as science
5. Social Institutions
6. Services of Ibn Khulduun

Instructions: Attempt any THREE Question with Brief answers. 30 marks (10 each)

All Questions carry equal marks.

Q 1: Socialisation is a continuous process, accept or refute the statement.

Q 2: Define the Concepts of Georg Herbert Mead with examples from your own society.

Q 3: Define the social role and social status, its types and the difference between two terms.

Q 4: What do you know about contemporary theories? Define structural theory in detail.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Linguistic-IV (The Structure of English)
Course Code: ENG-206 / ENG-22337 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Answer the short questions

2-What are syntactic categories? 5

3-What is a phrase, what are its major types? 5

4-Differentiate between direct and indirect object, give examples. 5

5-What are allomorphs, give examples. 5

Answer the long questions

6- Define bound morphemes, write down their types with examples. 10

7-What is compounding, write down different types of compounds. 10

8-Define a sentence, discuss different types of sentences with examples. 10

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Linguistic-IV (The Structure of English)
Course Code: ENG-206 / ENG-22337 Part–I (Compulsory) Time: 15 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

I- Every sentence consists of one or more

Phrases, lexemes, clauses

II- The word 'Notebook' is a

Phrase , function word , compound word

III-Which is the third person plural

I , you, They

IV- An affix that is attached to beginnings of a stem is called

Suffix., Derivations, Prefix

V-Morphology deals with the internal structure of

Sentences, Phrases, Words

VI- Morphology is a subdiscipline of

Pragmatics, Linguistics, Semantics

VII-Prepositions belong to a class of words namely

Open, close, complicated

VIII- A clause that can exist independently is called

Dependant clause, subordinate clause, . Independent clause

IX-An Infixe is an affix inserted in a

Sentence, clause, Word

X-All languages of the world have.

Structure, Infixes, Circumfixes

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Islamic History-II
Course Code: ISE-204 / ISL-22423 Part – II **Time: 15 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

حصہ معروضی

درج ذیل جملوں میں خالی جگہ پُر کیجیے۔ 1x10=10

1۔ عہدِ سلاطین کے اولین حکمران کا نام ---------- ہے۔

2۔ "طبقاتِ ناصری" کے مصنف کا نام ---------- ہے۔

3۔ عہدِ مغلیہ میں نظامِ عدالت کا سب سے بڑا منصب ---------- کہلاتا تھا۔

4۔ اورنگ زیب عالمگیر کا سنِ وفات ---------- ہے۔

5۔ عثمانی سلطنت کے بانی کا نام ---------- ہے۔

6۔ صفوی عہد کے مشہور ترین علمی ادارے کا نام ---------- ہے۔

7۔ قطب الدین ایبک کا مزار ---------- شہر میں واقع ہے۔

8۔ سلطنتِ عثمانیہ کے آخری سلطان کا نام ---------- ہے۔

9۔ آخری مغل بادشاہ کا نام ---------- تھا۔

10۔ مغلیہ عہد میں قرآنِ حکیم کے فارسی ترجمہ قرآن کرنے والے عالم کا نام ---------- ہے۔

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Islamic History-II

Course Code: ISE-204 / ISL-22423 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

حصہ انشائیہ

سوال نمبر2: درج ذیل میں سے پانچ سوالات کے مختصراً جواب لکھیں۔ 5x4=20

1۔ تاریخ ابن خلدون کا مکمل نام لکھیے۔

2۔ سلطنتِ عثمانیہ کی تاریخ پر لکھی گئی ایک کتاب کا نام لکھیے۔

3۔ سقوطِ بغداد کب اور کس کے ہاتھوں وقوع پذیر ہوا۔

4۔ عہدِ سلاطین کے ادارہ "محتسب" کی وضاحت کیجیے۔

5۔ عہدِ مغلیہ کے فنِ تعمیر پر دو نکات قلم بند کیجیے۔

6۔ عہدِ سلاطین کے دو مشہور صوفیاء کے نام لکھیے۔

7۔ درج ذیل کتب کے مصنفین کے نام لکھیے۔

الف۔ انسانی دنیا پر مسلمانوں کے عروج وزوال کا اثر ب۔ آبِ کوثر

سوال نمبر3: ترکانِ عثمانی کا اہم ترین حکمران کون ہے؟ مدلل جواب دیجیے۔ 15

یا

مغلیہ عہد کی تہذیبی ترقی کا حال اپنے الفاظ میں لکھیے۔

سوال نمبر4: عہدِ سلاطین کے مذہبی کارنامے بیان کیجیے۔ 15

یا

عہدِ سلاطین میں تہذیبی و علمی ترقی پر نوٹ لکھیے۔

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Islamic Studies-II

Course Code: EDE-176-A Part–II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

اس پرچہ کو مہیا کی گئی جوابی کاپی پر حل کریں۔

سوال نمبر2: درج ذیل سوالات کے مختصر جوابات دیں۔ (10x2=20)

1. تفسیر کا اصطلاحی مفہوم واضح کریں۔
2. تاویل اور تفسیر میں کیا فرق ہے؟
3. تفسیر بالرائے کا کیا مطلب ہے؟
4. کسی ایک تفسیر بالرائے اور مفسر کا نام تحریر کریں۔
5. سورۃ النور کا شانِ نزول کیا ہے؟
6. حد اور تعزیر میں کیا فرق ہے؟
7. حد قذف کے نتائج کیا ہیں؟
8. لعان کے واجب ہونے کی کیا شرائط ہیں؟
9. غضِ بصر سے کیا مراد ہے؟
10. مرکب توصیفی کی تعریف اور ایک مثال لکھیں۔

سوال نمبر3: دورِ حاضر میں اسلام کے تصورِ ابلاغیات کی اہمیت پر نوٹ لکھیں۔ (10)

سوال نمبر4: مندرجہ ذیل آیتِ قرآنی کا ترجمہ و تشریح کریں۔ (10)

وَلَا يَأْتَلِ أُولُوا الْفَضْلِ مِنكُمْ وَالسَّعَةِ أَن يُؤْتُوا أُولِي الْقُرْبَىٰ وَالْمَسَاكِينَ وَالْمُهَاجِرِينَ فِي سَبِيلِ اللَّهِ

سوال نمبر5: ثلاثی مجرد سے اسم فاعل کی گردان صیغوں کی پہچان کے ساتھ لکھیں۔ (10)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Islamic Studies-II
Course Code: EDE-176-A **Part–I (Compulsory)** **Time: 15 Min. Marks: 10**

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

سوال نمبر1: مندرجہ ذیل میں سے درست جواب پر درست (✓) کا نشان لگائیں۔ کاٹ کر یا مٹا کر لکھا گیا جواب غلط تصور ہو گا۔ (1x10=10)

1. قرآن مجید کی کل کتنی سورتیں ہیں؟

(الف)120 (ب)130 (ج)114 (د)110

2. پہلی وحی کہاں نازل ہوئی؟

(الف)غار ثور (ب)غار حرا (ج)طائف (د)جدہ

3. قرآن مجید کی کس سورت میں بسم اللہ دو دفعہ آتی ہے؟

(الف)البقرۃ (ب)الاعراف (ج)النمل (د)الرعد

4. تفسیر کے لغوی معنی کیا ہیں؟

(الف)کھول کر بیان کرنا (ب)بند کرنا (ج)جھگڑنا (د)معاف کرنا

5. تفسیر کی بنیادی اقسام کتنی ہیں؟

(الف)چار (ب)تین (ج)دو (د)سات

6. واقعہ افک کس شخصیت سے متعلق ہے؟

(الف)حضرت زینب رضی اللہ عنہا (ب)حضرت عائشہ رضی اللہ عنہا (ج)حضرت سلمٰی رضی اللہ عنہا (د)حضرت سودہ رضی اللہ عنہا

7. واقعہ افک کس سن ھجری میں پیش آیا؟

(الف)چھ ہجری (ب)سات ہجری (ج)آٹھ ہجری (د)چار ہجری

8. حد قذف کیا ہے؟

(الف)پھانسی دینا (ب)جرمانہ کرنا (ج)80 کوڑے (د)جلاوطنی

9. اطاعت کے کیا معنی ہیں؟

(الف)سر تسلیم خم کرنا (ب)سر اٹھا کر چلنا (ج)عاجزی کرنا (د)تکبر کرنا

10. ثلاثی مجرد کے کتنے ابواب ہیں؟

(الف)سات (ب)چھ (ج)چار (د)آٹھ

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

PAPER: Islamic Studies -II

Course Code: ISE-221 / ISL-22391 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

نوٹ۔صحیح جوابات پر دائرہ لگایئے۔کاٹ کر لکھا گیا جواب درست تصور نہ کیا جائے گا۔

Q.1. **10**

۱۔توحید کا متضاد لفظ ہے؟

(الف) وحدت (ب) ایمان (ج) شرک (د) کفر

۲۔عام الحزن سے کیا مراد ہے؟

(الف) محنت کا سال (ب) معیشت کا سال (ج) فتح کا سال (د) غم کا سال

۳۔ کفار اسلام سے قبل فرشتوں کو اللہ کی------ مانتے تھے

(الف) مخلوق (ب) فوج (ج) قدرت (د) بیٹیاں

۴۔الہامی کتابوں کے علاوہ بھی اللہ نے------ بھیجے؟

(الف احکام (ب) صحائف (ج) اوامر (د) نواہی

۵۔ صفا مروہ کے درمیان دوڑنے کو کہتے ہیں؟

(الف) رمی (ب) سعی (ج) طواف (د) وقوف

۶۔ قرآن کی زبان ہے؟

(الف) عَرَبِیٌ (ب) عَرَبِیٌ (ج) عِرْبِیٌ (د) عُرَبِیٌ

۷۔ طواف ------ میں کیا جاتا ہے؟

(الف) میدان عرفات (ب) مسجد حرام (ج) کعبہ (د) صفا و مروٰی

۸۔ مکہ میں اعلان نبوت کے بعد آپ ﷺ نے تقریباً کتنے سال گزارے؟

(الف) دس (ب) گیارہ (ج) بارہ (د) تیرہ

۹۔ صلح حدیبیہ کب ہوا؟

(الف) ۳ ہجری (ب) ۴ ہجری (ج) ۵ ہجری (د) ۶ ہجری

۱۰۔ زکوۃ مال کا------ حصہ ہے؟

(الف) اڑھائی فیصد (ب) چالیسواں (ج) الف و ب (د) کوئی نہیں

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

PAPER: Islamic Studies -II
Course Code: ISE-221 / ISL-22391 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Short Answers/Questions(مختصر جوابات)

نوٹ۔ نیچے دیئے گئے اجزاء میں سے پانچ کے جوابات لکھیے۔

Q.2. 5x4=20

(۱) زکوۃ کا نصاب کیا ہے؟

(۲) نماز کے بارے ایک حدیث باترجمہ لکھیں

(۳) کلمہ طیبہ باترجمہ لکھیں

(۴) مسلمان کے مسلمان پر کیا حقوق ہیں؟

(۵) ایمان باالاخرہ کیا ہے؟

(۶) اجزاء ایمان میں کیا کیا شامل ہے ؟

(۷) اسلام کے بنیادی ماخذ علم کیا ہیں؟

Subjective Type(انشائیہ)

نوٹ۔ نیچے دیئے گئے اجزاء میں سے تین کے تفصیلاً جوابات لکھیے۔ 10x3=30

.Q.3۔ روزے کے ذریعے مسلمان کو کیا درس دیا جارہا ہوتا ہے؟

.Q.4۔ معاشی ناہمواریاں ختم کرنے کے لیے اسلام نے کیا نظام دیا ہے؟

.Q.5۔ تصور موت کا انسانی زندگی پر کیا اثر پڑتا ہے؟

.Q.6۔ اسلام ہم سے قربانی کے جانور ذبح کروا کر کیا سکھانا چاہتا ہے؟

Q.7- مسجد معاشرتی فلاح کا کیسے مرکز بن سکتی ہے؟

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Management
Course Code: MNG-211 / GEN-22140 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which of the following decision-making models emphasizes short-run solution of a problem rather than long-term goal accomplishment?
   a. Rational model
   b. Satisficing model
   c. Incremental model
   d. Garbage-can model
2. Which of the following refers to the flow of information among persons at different levels, who have no direct reporting relationships?
   a. Horizontal communication
   b. Diagonal communication
   c. Upward communication
   d. Downward communication
3. Direct control is the control that is exercised after the deviations from plans have occurred. Which of the following is not an underlying assumption of direct control?
   a. Performance can be measured
   b. Personal responsibility is absent
   c. The time expenditure is warranted
   d. Mistakes can be discovered in time
4. Which function of management involves filling, and keeping filled, the positions in the organization structure?
   a. Organizing
   b. Planning
   c. Staffing
   d. Controlling

P.T.O.

5. Top management works on
   a. Strategic plan
   b. Corporate plan
   c. Budgeting
   d. Both A & B
6. First step in planning process is to
   a. Set an objective
   b. Evaluate alternatives
   c. Determine strength and weaknesses
   d. None of above
7. The first step in making decisions in an emergency is to:
   a. Evaluate alternatives
   b. Formulate a policy
   c. Gather and collate information
   d. Define the problem
8. The word_____ denotes a function. a task, a discipline.
   a. Management
   b. Leadership
   c. Motivation
   d. None of the above
9. Advantage of delegation of authority results in prompt _____.
   a. Understanding
   b. Decision making
   c. Both (A) and (B)
   d. None of the above
10. The higher the _____ level of the employee, the lower the job satisfaction.
   a. Managerial
   b. Educational
   c. Satisfaction
   d. None of the above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Management
Course Code: MNG-211 / GEN-22140 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SHORT QUESTIONS

Q.2. Define the following with example. **(5x4=20)**

i. Advantages of democratic leadership

ii. Human factors in managing services

iii. Job enrichment

iv. Brainstorming

v. Organizational structure

LONG QUESTION

Q.3. Questions with brief answers. **(3x10=30)**

i. Describe how are the policies implemented and the challenges that accompany their implementation.

ii. Explain in detail the important factors in choosing an organization.

iii. Discuss in detail the core objectives and functions of management.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Differential Equations-II

Course Code: MATH-223 / MTH-22334 Part – II

Time: 2 Hrs. 30 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Section-I (Short Questions) Marks=20

1. Show that
$$J_0'(x) = J_{-1}(x) = J_{-1}(x).$$

2. Show that
$$\mathcal{L}\left\{\int_0^t f(\tau)d\tau\right\} = \frac{F(s)}{s}.$$

3. Determine the singular points of the differential equation $x\left(x^2+1\right)^2 \frac{d^2y}{dx^2} + y = 0$. Classify each singular point as regular or irregular.

4. Use the Laplace transformation to solve the differential equation
$$\frac{d^2y}{dt^2} - 4\frac{dy}{dt} = 6e^{3t} - 3e^{-t}, \qquad y(0) = 1, \qquad y'(0) = -1.$$

5. Evaluate $\mathcal{L}^{-1}\left\{\frac{1}{s^3(s^2+1)}\right\}$.

Section-II Marks=30

1. Use the substitution $y(x) = x^{1/2}z(x)$, find the general solution of differential equation $x^2\frac{d^2y}{dx^2} + (a^2x^2 - \nu^2 + \frac{1}{4})y = 0$.

2. Find the general solution of the differential equation
$$x\frac{d^2y}{dx^2} + 3\frac{dy}{dx} + xy = 0.$$

3. Use the Laplace transform to solve the given integral equation
$$f(t) = e^t + e^t\int_0^t f(\tau)e^{-\tau}d\tau, \text{ for } f(t).$$

4. Evaluate the Laplace transform
$$\mathcal{L}\left\{t\int_0^t \sin\tau d\tau\right\}.$$
Note: Do not evaluate the integral before transforming.

5. Find a one-parameter family of solutions for the differential equation
$$\frac{dy}{dx} = y^2 - \frac{1}{x}y - \frac{4}{x^2},$$
where $y_1(x) = \frac{2}{x}$ is a known solution of the equation.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Differential Equations-II

Course Code: MATH-223 / MTH-22334 Part–I (Compulsory) Time: 30 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Fill in the blank or answer True / False. (10x1=10)

1. $\mathcal{L}\{\frac{df(t)}{dt}\} =$ .....
2. $\mathcal{L}\{\delta(t-t_0)\} =$ .....
3. $\mathcal{L}^{-1}\left\{\frac{s}{s^2-a^2}\right\} =$ .....
4. $x =$ ....is a regular singular point of the second order linear differential equation $x^2\frac{d^2y}{dx^2} + x\frac{dy}{dx} + (x^2 - p^2)y = 0$.
5. $J_{1/2}(x) =$ .....
6. $P_2(x) = \frac{1}{2}\left(3x^2 - 1\right)$. (True/False)
7. $\mathcal{L}^{-1}\left\{\frac{1}{s-1}\right\} =$ .....
8. The equation $\frac{d^2y}{dx^2} + \sin y = 0$ is a 2nd order linear differential equation. (True/False)
9. $y = 0$ is a solution of the differential equation $\frac{d^2y}{dx^2} + 2x\frac{dy}{dx} + 4y = 0$. (True/False)
10. The general solution of $x^2\frac{d^2y}{dx^2} + x\frac{dy}{dx} + (k^2x^2 - \nu^2)y = 0$ is $y = c_1J_\nu(x) + c_2J_{-\nu}(x)$, where ν is an integer. (True/False)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Linear Algebra
Course Code: MATH-224 / MTH-22120 Part – II

Time: 2 Hrs. 30 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDE

Q. 2	Short Questions (4x5 = 20 Marks)
(i)	Prove that every finite dimensional vector space contains a basis.
(ii)	Let $G =< a, b \mid a^3 = b^2 = (ab)^2 = e >$. Find all subgroups of G.
(iii)	Define reducible and irreducible representations and state Schurs Lemma without proof.
(iv)	Prove that $Q(\sqrt{2}) = \{a + \sqrt{2}b : a, b \in R\}$ is a vector space over R, where R is the set of real numbers.
(v)	State and explain Gram-Schmidt method with one example.
	Long Questions (6x5 = 30 Marks)
Q.3	Solve the following system of equations $$3x - 2y + 3z = 8$$ $$x + 3y + 6z = -3$$ $$2x + 6y + 12z = -6$$
Q.4	Prove that in an n-dimensional vector space, any set of n+1 or more vectors is linearly dependent.
Q.5	For a system of linear equations in n unknowns, if augmented matrix $M = [A, B]$, then prove that: (a) The system has a solution if and only if rank (A) = rank (M). (b) The solution is unique if and only if rank (A) = rank (M) = n.
Q.6	Diagonalize the matrix (if possible) $$\begin{bmatrix} 4 & -3 & -3 \\ 3 & -2 & -3 \\ -1 & 1 & 2 \end{bmatrix}$$
Q.7	Prove that the set of all bijective mappings on a set $G = \{1,2,3\}$ to G form a group .

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Linear Algebra

Course Code: MATH-224 / MTH-22120 Part–I (Compulsory) Time: 30 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the correct choice. **(1x10=10)**

(i)	Every non-zero vector in a vector space over a field is ... a) Linearly independent b) Linearly dependent c) Basis d) Subspace
(ii)	A complete Normed space is called... a) Normed space b) Bancach space c) Hilbert space d) Not Given
(iii)	The number of subgroups of the cyclic group of order 49 is ... a) 1 b) 2 c) 3 d) Not Given
(iv)	The number of generators in a cyclic group of order 15 is ... (a) 8 (b) 10 (c) 3 (d) 12 e) Not Given
(v)	The order of the smallest Abelian group is... a) 3 b) 2 c) 1 d) Not Given
(vi)	Let $T: R^{15} \to R^{15}$ be a linear transformation. If the dimension of the null space of T is 12, then the dimension of $R(T)$ is a) 15 b) 5 c) 3 d) Not Given
(vii)	The trace of a matrix $\begin{bmatrix} -11 & 3 & 9 \\ 3 & 8 & 4 \\ 6 & 1 & 13 \end{bmatrix}$ is... (a) 8 (b) 4 (c) 10 d) Not Given
(viii)	In the group (Z, o) of all integers, where $aob = \frac{1}{2}ab$ for $a, b \in Z$, the inverse of 4 is a) 0 b) c) 3 d) 4 e) Not given
(ix)	The group $C_2 \times C_2$ is isomorphic to a) C_4 b) V_4 c) S_3 d) Not given
(x)	The di ension of the vector space of reals over complex numbers, namely $R(C)$ is... a) 1 b) 2 c) infinite d) Not Given

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Mathematics A-IV (Ordinary Differential Equations)
Course Code: MATH-203 / MTH-22309 Part – II

Time: 2 Hrs. 30 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q. 2	SHORT QUESTIONS	
(i)	Describe the following (a) Differential Equation (b) Explicit Solution (c) Exact Differential Equation	(4.5)
(ii)	Determine the following functions are linearly independent or dependent on]-∞,∞[$f_1(x) = x,\ f_2(x) = x^2,\ f_3(x) = 4x-3x^2.$	(4.5)
(iii)	Solve the following differential equation $x^2y' + x(x+2)y = e^x.$	(5.5)
(iv)	Solve the following differential equation $t^2\frac{dy}{dt} + y^2 = ty.$	(5.5)

LONG QUESTIONS		
Q.3	Solve the following D.E using variation of Parameter $y'' - 2y' + 2y = e^x \sec x$	(6)
Q.4	Solve the following differential equation using undetermined coefficients $y''' - 6y'' = 3 - \cos x$	(6)
Q.5	Solve the following differential equation using an appropriate substitution $(x^2 + 2y^2)\frac{dx}{dy} = xy, y(-1) = 1.$	(6)
Q.6	Solve the following differential equation subject to the initial conditions $2y'' + 3y' - 2y = 14x^2 - 4x - 11, y(0) = 0, y'(0) = 0.$	(6)
Q.7	Find the power series solution of the following differential equation $y'' + (\cos x)y = 0.$	(6)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Mathematics A-IV (Ordinary Differential Equations)

Course Code: MATH-203 / MTH-22309 Part–I (Compulsory) Time: 30 Min. Marks: 10

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Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

(i)	The solution of the differential equation $\frac{dy}{dx} = xy^{1/2}$ on the interval $-]-\infty, \infty[$ is (a) $y = \frac{x^2}{4}$ (b) $y = \frac{x^2 y}{4}$ (c) $y = \frac{x^4}{16}$ (d) $y = \frac{xy^4}{16}$
(ii)	Integrating factor of $x\frac{dy}{dx} - 4y = x^6 e^x$ is (a) -4 (a) $\frac{-4}{x}$ (a) $\frac{-4}{x^5}$ (a) none of these
(iii)	The initial value problem $y' = y,\ y(0) = 1$ has the solutions $y = e^x$ and y=_____ (a) 0 (b) 1 (c) Ce^x (d) None of these
(iv)	The necessary and sufficient condition that $M(x,y)dx + N(x,y)dy$ be an exact differential is (a) $\frac{\partial M}{\partial x} = \frac{\partial N}{\partial y}$ (b) $\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$ (c) $\frac{\partial^2 M}{\partial y^2} = \frac{\partial^2 N}{\partial x^2}$ (d) None of these
(v)	The Annihilator for $(x^2 e^{-3x} + 15xe^{-3x} + 2e^{-3x})$ is given by_____ (a)) D^3 (a)) $(D+3)^3$ (a)) $(D-3)^3$ (a)) D^2
(vi)	Classify the following differential Equation $(e^{2y} - y\,cosxy)dx + (2xe^{2y} - x\,cosxy + 2y)dy = 0$ (a) Exact (b) Separable (c) Homogenous (d) None of these
(vii)	The order of a differential equation is always (a) Positive integer (b) Negative integer (c) Rational number (d) Real number
(viii)	The Singular points of $(x^3 - 8)y'' - 2xy + y = 0$ are given by_____ (a) 0 (b) 2 (c) $\sqrt{5}$ (d) None of these
(ix)	The integrating factor to convert the nonexact differential equation $(x+y)dx + x\,lnx\,dy = 0$ into an exact equation is (a) $\frac{1}{x}$ (b) $\frac{1}{x^2}$ (c) lnx (d) none of these
(x)	Directional field of a differential equation $\frac{dy}{dx} = f(x,y)$ gives the analysis of the solution (a) Quantitatively (b) Qualitatively (c) Analytically (d) Numerically

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Mathematics B-IV (Metric Spaces & Group Theory)
Course Code: MATH-204 / MTH-22310 Part – II

Time: 2 Hrs. 30 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Section - I

Q2. Solve the following short question. (2 ×10=20 marks)

(i) Prove that the diameter of a closed ball $\bar{B}(a;r)$ in metric space (X,d) is $\leq 2r$.

(ii) Prove that in a metric space (X,d), $A^\circ \cap B^\circ = (A \cap B)^\circ$.

(iii) Consider the following metric on R^2, for $x = (x_1, y_1), y = (x_1, y_1) \in R^2$

$$d_1(x,y) = |x_1 - x_2| + |y_1 - y_2|$$

Find the open ball and closed ball with radius 1 and center (0,0) with respect to given metric. Also draw this on plane R^2.

(iv) Prove that in a metric space, every convergent sequence is a Cauchy sequence.

(v) Let A and B be subsets of a metric space (X,d), prove that $\overline{A \cup B} = \bar{A} \cup \bar{B}$.

(vi) Find all subgroups of a cyclic group of order 18.

(vii) Let G be a group of even order, prove that there is at least one element of order 2 in G.

(viii) Prove that a finite group G whose order is a prime number is necessarily cyclic.

(ix) Define transposition and determine whether the permutations $\alpha = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 \\ 5 & 3 & 2 & 6 & 4 & 1 \end{pmatrix}$ and $\beta = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 3 & 5 & 2 & 7 & 6 & 1 & 4 \end{pmatrix}$ are even or odd?

(x) Find all the subgroups of S_3.

Section –II

(6 ×5=30 marks)

Q3. Show that the set $B[a,b]$ of all real valued bounded functions defined on closed interval $[a,b]$ is a metric space.

Q4. Let (X,d) be a metric space and A a subset of X. Prove that A° (Interior of A) is the largest open subset of X contained in A.

Q5. Prove that a function $f: X \to Y$ is continuous if and only if for every closed subset C in Y, $f^{-1}(C)$ is closed in X.

Q6. If a group G has three elements, show that it is abelian.

Q7. Define subgroup and show the union $H \cup K$ of two subgroups H and K of a group G is a subgroup of G if and only if either $H \subset K$ or $K \subset H$.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Mathematics B-IV (Metric Spaces & Group Theory)
Course Code: MATH-204 / MTH-22310 Part–I (Compulsory) **Time: 30 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

(i) Let $A = \{a\}$ be a subset of usual metric space R, then interior of A is
a) Empty set b) A itself c) R d) none

(ii) Let $A = \{x, y\}$ be a subset of a discrete metric space (X, d), then A is
a) closed b) open c) both open and closed d) none

(iii) Let $A = (0,1), B = (1,2)$be subset of usual metric space R, then
a) $\overline{A \cap B} = \bar{A} \cap \bar{B}$ b) $\overline{A \cap B} \subseteq \bar{A} \cap \bar{B}$ c) $\bar{A} \cap \bar{B} \subseteq \overline{A \cap B}$ d) none

(iv) The limit of a sequence (if exist) and limit of its subsequence
a) must be same b) must be different c) may or may not be same d) is 0

(v) Every Cauchy sequence in a metric space is
a) divergent b) convergent c) bounded d) none

(vi) The union of all proper subgroups of a cyclic group G is_____.
a) {e} b) proper subgroup c) group itself d) none

(vii) Let G be the group of residue classes under multiplication modulo 8 and $H = \{\bar{1}, \bar{3}\}, K = \{\bar{1}, \bar{5}\}$ are subgroups of G. Then $H \cup K$ is
a) Proper subgroup of G b) Improper subgroup of G
c) Cyclic subgroup of G d) Not a subgroup of G

(viii) The set of all even permutations in S_3 is denoted by
a) Z_3 b) A_3 c) A_4 d) none

(ix) The order the permutation $\alpha = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 1 & 4 & 5 & 3 \end{pmatrix}$
a) 12 b) 6 c) 3 d) none

(x) The permutations $\alpha = (1\ 2\ 3)$ and $\beta = (4\ 5\ 6)$
a) Commute b) do not commute c) may or may not commute d) none

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Elementary Number Theory

Course Code: MATH-206 / MTH-22313 Part–I (Compulsory) **Time: 30 Min. Marks: 10**

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1(i). The remainder obtained after dividing 3^{256} by 100 is
(a). 1 (b). 11 (c). 21 (d). none of them

ii. If $gcd(a, b) = 1$ then $gcd(a^n, b^n) = ----$
(a). a^n (b). a (c). 1 (d). ab

iii. How many integers are co-prime to '50'
(a). 40 (b). 49 (c). infinitely many (d). none of them

iv. The integer that does not have order modulo 8 is
(a). 3 (b). 4 (c). 5 (d). none of them

v. If p_n is the nth prime number, then $p_n ----2^{2^{n-1}}$
(a). $\leq$ (b). $\geq$ (c). $=$ (d). none of them

vi. Which of the following is a quadratic non-residue of 23
(a). 2 (b). 3 (c). 4 (d). none of them

vii. The number of zeroes present in 15! are
(a). 1 (b). 2 (c). 3 (d). none of them

viii. A quadratic congruence always has
(a). no solution (b). 1 solution (c). 2 solutions (d). none of them

ix. If n is prime then
(a). $a^{n-1} \equiv 1 \pmod{n}$ (b). $a^{\varphi(n)} \equiv 1 \pmod{n}$ (c). $(n-1)! \equiv -1 \pmod{n}$ (d). none of them

x. For any integer n, the smallest integer that divides $n(n+1)(2n+1)$ is
(a). 3 (b). 6 (c). 9 (d). none of them

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Elementary Number Theory
Course Code: MATH-206 / MTH-22313 Part – II

Time: 2 Hrs. 30 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q no. 02: Solve the followings short questions. ($4 \times 5 = 20$ marks)

(i). Use Euclidean Algorithm to find a solution of the equation $56X + 72Y = 8$. 5

(ii). Is there exists an integer a such that 15 divides $6a - 1$? Justify your answer. 5

(iii). If $a \equiv b(modm)$ then show that $a^n \equiv b^n(modm)$ for all $n \geq 1$. 5

(iv). Describe (without proof) what you know about the solution of the equation $aX + bY = c$. 5

Q no. 03: Solve the followings long questions. ($6 \times 5 = 30$ marks)

(i). Show that the linear congruence $aX \equiv b \pmod{n}$ has a solution if and only if $d|b$, where $d = (a, n)$. 6

(ii). Find the remainders when 2^{50} and 41^{65} are divided by 7. 6

(iii). If a cock is worth 5 coins, a hen 3 coins, and three chicks together 1 coin, how many cocks, hens, and chicks, totaling 100, can be bought for 100 coins?. 6

(iv). Let $a = a_{n-1}a^{10-1} + a_{n-2}a^{10-2} + \cdots + a_1 10 + a_0$ be the decimal representation, so that we write a as a sequence $a_r a_{r-1} \cdots a_1 a_0$ then show that $13|a$ if and only if $13|a_r a_{r-1} \cdots a_1 - 9a_0$ 6

(v). Solve the following system: $x \equiv 5 \pmod{6}$, $x \equiv 4 \pmod{11}$, $x \equiv 3 \pmod{17}$. 6

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Mass Media in Pakistan

Course Code: BSCS-202 / MAS-22413 Part–I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

01. Reuters News Agency belongs to
   a) America
   b) Great Britain
   c) Germany
   d) China

02. The first Campus Radio in Pakistan was
   a) PUFM 104.6
   b) Voice of LCWU 96.6
   c) FM 104.6 Peshawar University KPK
   d) FM 88.6 Traffic Radio

03. The editor of Tehzib ul Akhlaq was?
   a) Zafar Ali Khan
   b) Abul Kalam Azad
   c) Hasrat Mohani
   d) Sir Syed Ahmed Khan

04. Mohammedan Social Reformer was the English name of
   a) Makhzan
   b) Tehzeeb ul Akhlaq
   c) Muhazzab
   d) None of these

05. The Comrade was started in
   a) January 1910
   b) January 1911
   c) January 1912
   d) None of these

P.T.O.

06. Dehli Urdu Akhbar was started by

a) Sir Syed Ahmed Khan
b) Molvi Muhammad Baqir
c) Molana Muhammad Hussain Azaad
d) None of these

07. The Pakistan Times appeared from Lahore on

a) 4.January,1947
b) 4.Februry,1947
c) 14. August,1947
d) None of these

08. Monthly Urdu-e-Mualla was started by

a) Abul Kalam Azad
b) Zafar Ali Khan
c) Hasrat Mohani
d) None of these

09. Pakistan Television Corporation was established at Lahore in

a) 1972
b) 1964
c) 1954
d) None of these

10. Manshoor was initiated by

a) Altaf Hussain
b) Qaid-e-Azam
c) Hameed Nizami
d) None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Mass Media in Pakistan

Course Code: BSCS-202 / MAS-22413 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Short Questions (4x5=20)

Question No: 2. Elaborate the Organizational Structure and Working of News Agencies.

Question No: 3. Identify and explain the different problems and issues faced by Press in Pakistan.

Question No: 4. Shortly discuss the role of Muslim Press during Freedom Movement in Sub Continent.

Question No: 5. Write down a note on PEMRA.

Long Questions (3x10=30)

Question No: 6. FM Radio has revived Radio in Pakistan. Do you agree? How? Give an argumentative answer.

Question No: 7. Discuss the Development and Future Prospects of Online Journalism in Pakistan.

Question No: 8. Growth of Cable TV in Pakistan has created Ethical and Cultural Issues. How? Write down a detailed answer.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Men and Masculinities
Course Code: GS-206 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i.	Masculinity is the set of social practices and cultural representations associated with being a man.	True / False
ii.	Masculinity is always interpolated by nature.	True / False
iii.	It is possible for a woman to be masculine.	True / False
iv.	The acceptance of sex-role stereotypes not only limits the individual's ability but also has bad effects on society generally.	True / False
v.	Masculinity has changed through history.	True / False
vi.	Position of being strongest and most powerful and therefore able to control is called hegemony.	True / False
vii.	Maleness is cultural and masculinity is biological.	True / False
viii.	Males form relationships through shared instrumental activities.	True / False
ix.	Sex-role stereotypes say that men should not be subordinate.	True / False
x.	Every man everywhere aspires to be 'manly' in the same way.	True / False

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Men and Masculinities
Course Code: GS-206 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. why it is important to liberate men from sex role stereotypes? **(10)**

Q.3. what is masculinity and how is it normally understood? **(10)**

Q4. Are definitions of masculinity changing in our community? **(10)**

Q.5. Discuss how traditional masculine gender roles in a patriarchal society are closely connected with escalating violence towards women. **(10)**

Q.6. What are the emerging challenges for fatherhood at the present? **(10)**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Mercantile Law
Course Code: BBA-206 / BUS-22353 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Short Questions (2x10=20)

i. What are the kinds of offer?
ii. Can a minor make a contract on behalf of his guardian?
iii. Define bailment.
iv. What is free conscent?
v. What is partnership?
vi. Who is common carrier?
vii. Who is unpaid seller?
viii. What are the modes of determination of price?
ix. When a condition can be considered as warranty?
x. What is contract of indemnity?

Q.3 Long Questions (3x10=30)

i. How a contract can be discharged?
ii. What do you understand by conditions and warranties?
iii. What are the types of negotiable instruments?

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Mercantile Law
Course Code: BBA-206 / BUS-22353 Part – I (Compulsory) Time: 15 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1) Quasi contract is .
   i. Based on contract
   ii. Not enforceable by law
   iii. Not a contract
   iv. Semi judicial contract

2) A minor can be declared insolvent
   i. Yes
   ii. Under certain cases
   iii. No
   iv. By law

3) General offer is given to
   i. A specific person
   ii. Public at large
   iii. Particular group
   iv. None of these

4) Guarantee contract is between
   i. Two person
   ii. Three persons
   iii. Two and more persons
   iv. Four persons

5) A wagering contract is
   i. Valid
   ii. Voidable
   iii. Void
   iv. None of these

6) A sale is
   i. An agreement to sell
   ii. Sale for price
   iii. Future sale
   iv. None of these

7) In agency contract principal is a
   i. Partner
   ii. Share holder
   iii. Investor
   iv. Commission agent

8) Who is disqualified for making a contract
   i. Alien
   ii. Diplomatic agent
   iii. Insolvent
   iv. All of these

9) A minor under guardian ship can make a contract after the age of
   i. 18
   ii. 21
   iii. 19
   iv. 25

10) Sale of goods act was enacted in
   i. 1930
   ii. 1940
   iii. 1935
   iv. 1945

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Money and Banking
Course Code: BBA-207 / BUS-22354 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

INFLATION means the following:

e) Annual increase in prices
f) Gradual Increase in prices
g) Quarterly increase in prices
h) Two of the above

IBRD stands for the following term:

e) International Bank for Reconstruction & Development
f) Internal Bank for Reconciliation & Development
g) International Bank for Reconciliation & Development
h) Internal Bank for Reconstruction & Drastic

IMF provides funding to the following countries:

e) Rich countries
f) All poor countries
g) All countries
h) European Countries

SDR is the currency of IMF which is an abbreviation of the following

e) Standard Drawing Right
f) Special Discount Right
g) Special Drawing Rights
h) None of the above

The current official inflation rate of Pakistan as shown in Federal Budget is as follows:

e) Less Than 10%
f) Less than 15%
g) Less than 20%
h) More than 20%

P.T.O.

The all Banks are controlled by the following:

e) Local management
f) None of the given
g) Federal Government
h) Provincial Government

The total banks of the country are in number around

e) 20 plus
f) 30 plus
g) 40 plus
h) 50 plus

ABD stands for the following:

e) Asian Development Bank
f) Asian Decent Bank
g) American Development Bank
h) Asian Drastic Bank

The business account which is opened & run by a FIRM can be is called also:

e) Sole Proprietorship
f) Individual
g) Self employed
h) Partnership

In **SAVING ACCOUNT,** the investment remains as:

e) Fixed
f) Floating
g) Demand based
h) None of the above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Money and Banking
Course Code: BBA-207 / BUS-22354 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q #2: Write short note on the following:

c) Quantity Theory of Money & its impact on money's value.
d) Inflation & its kinds. (10 marks)

Q #3: Write short note on the following:

c) Islamic Development Bank & its role in economic development of member countries
d) Cash Balance Theory of money & its impact on economy

(10 marks)

Q #4: Write short note on the following:

a) Evolution of Banks
b) Inflation & its kinds.
c) Asian Development Bank
d) Cash Balance Theory of money. (20 marks)

Q # 5 Write down brief answers of the following:

a) What is meant by Current, PLS & Term deposit account ?
b) International Monetary System & IBRD

(10 marks)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Political Systems (Developing)
Course Code: POL-202 / POL-22447 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Short Answers **(4x5=20)**

1. Discuss the Constitutional development in Pakistan.
2. How Indian Parliamentary system is working?
3. What is federation?
4. What is legislature?

Q.3. Long Answers **(3x10=30)**

1. Discuss the Judicial Administration in Pakistan, how judiciary is trying to upheld rule of law.
2. Discuss the functions of Iranian Guardian Council.
3. Discuss salient features of the constitution of India.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Political Systems (Developing)
Course Code: POL-202 / POL-22447 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The Iranian Constitution 1979 was amended in _____
   a) 1987 b) 1988 c) 1989

2. Council of Ministers is found in the _____Political System.
   a) Turkish b) Iran c) Pakistan

3. Turkish President has a term of _____years.
   a) 4 years b) 5 years c) 6years

4. The Political System of Turkey is highly _____
   a) Centralized b) De-centralized c) Open

5. Indian head of the Government is _____
   a) President b) Prime Minister c) Pasty Chairman

6. The lower house of India Parliament is called _____
   a) Vadhan Sabha b) Rajia Sabha c) Lok Sabha

7. BJP is a socially _____Party.
   a) Left wing b) Right Wing c) Democratic

8. In India Prime Minister headed the _____
   a) Union Council of Ministers b) Parliament c) Conventions

9. Iranian head of the state is called _____
   a) Supreme Leader b) President c) Prime Minster

10 In 2017 elections in Iran _____became its President
   a) Ebrahim Raisi b) Hassan Rohani c) MostafaMir

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Pakistan Movement
Course Code: POL-203 / POL-22448 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Questions with short answers. (5x4=20)

i. Describe the objectives of All Indian National Congress at the time of its formation in 1885.

ii. Write in short the recommendations made by the Simla Deputation in 1906.

iii. Highlight the main features of Montague Chemsford reforms 1919.

iv. Write a short note on Khilafat Movement.

v. Highlight any three points of Nehru Report.

Q.3. Questions with long answers. (3x10=30)

i. Highlight the All India Muslim League Objectives and Priorities at the time of its creation in 1906.

ii. Briefly explain the government of India act 1919.

iii. Discuss the Cabinet Mission.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Pakistan Movement
Course Code: POL-203 / POL-22448 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1 True / False. Tick the true one. (1x10=10)

i. Cabinet Mission Plan was rejected by Congress as it refused to join the interim government. **True / False**

ii. The government of Indian Act 1935 had three lists of subjects and these are
(i) _____
(ii) _____
(iii) _____

iii. Luckhnow Pact 1916 failed to integrate Hindus and Muslims on political grounds. **True / False**

iv. Muslims demanded a separate homeland from the day first of British rule in India. **True / False**

v. Mr. Jinnah's fourteen points were accepted by the British government. **True / False**

vi. All India Muslim League ws representative party of Hindus of Sub-Continent. **True / False**

vii. Nehru report came on scence in 1926. **True / False**

viii. Partition of Bengal Took Place in 1911. **True / False**

ix. Cripps Mission was welcomed by Hindus. **True / False**

x. Lahore Resolution of 1940 was supported by Hindus. **True / False**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Political Science
Course Code: POL-211 / POL-22114 Part – I (Compulsory) Time: 15 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. How many essentials are required to constitute a state
   a) Three b) Four c) Five
   d) Six e) None of these
2. Fascism as a political theory originated in
   a) France b) Germany c) Italy
   d) Russia e) None of these
3. Strong emphasis on justice was laid by
   a) Socrates b) Aristotle
   c) Herodotus d) None of these
4. A bi-cameral legislature as most suited to
   a) Federal States b) Presidential form of government
   c) Authoritarian states d) None of these
5. Plato wrote
   a) Politics b) The laws
   c) Political Economy d) None of these
6. Collective responsibility is a feature of
   a) Presidential form b) Parliamentary form
   c) Authoritarian form d) None of these
7. Which political theory propounded the state will ultimately disappear Socialism
   a) Fascism b) Communism
   c) None of these
8. Democracy originated in ancient Greece
   a) In the US after freeing itself from British tyranny
   b) In France after Revolution
   c) In UK after signing Magna Carta
9. The national assembly of Pakistan consists of:
   a) 200 members b) 313 members
   c) 211 members d) None of these
10. The author of the book "The Prince" was:
   a) Machiavelli b) Plato
   c) Socrates d) None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Political Science
Course Code: POL-211 / POL-22114 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Questions with short answers. (4x5=20)

i. Describe the concept of Legitimacy.

ii. Write a short note on Judiciary as an important organ.

iii. Highlight the scope of Political Science.

iv. Describe the concept of Federation.

Q.3. Questions with long answers. (3x10=30)

i. Briefly describe the evolution of Western Political Thought.

ii. Explain which form of government is good for Pakistan, Presidential or Parliamentary?

iii. Explain the legislature and judiciary as an important organs of Government.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Political Science-II (MAS)
Course Code: POL-222 / GEN-22417 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Questions with short answers. (4x5=20)

i. What is print media?

ii. Define the concept of sovereignty.

iii. What is state?

iv. Highlight relationship between media and democracy.

v. What is Foreign Policy?

Q.3. Questions with long answers. (3x10=30)

i. Explain in detail the role of media in politics

ii. Discuss various elements of state.

iii. Discuss utility of political science.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Political Science-II (MAS)
Course Code: POL-222 / GEN-22417 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1 True / False. Tick the true one. (1x10=10)

i.	There is no difference between print media and electronic media.	**True / False**
ii.	Electronic media can play an important role to create political awareness.	**True / False**
iii.	Media can highlight actual issues of society.	**True / False**
iv.	Population is a significant element of state.	**True / False**
v.	Political awareness promote democracy.	**True / False**
vi.	Radio and TV are significant source of print media.	**True / False**
vii.	Foreign policy deals with domestic Issues of a state.	**True / False**
viii.	Democracy is Government by few.	**True / False**
ix.	Media can be a best source to promote awareness among people.	**True / False**
x.	Media can create a strong link between masses and rulers.	**True / False**

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Signature of Supdt.:

Paper: Philosophy of Education
Course Code: ED-302 **Part – I (Compulsory)** **Time: 15 Min. Marks: 10**

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1- Which school held the view, "God makes all things good; man meddles with and they become evil"?
Marxism Pragmatism Naturalism Existentialism

2- Which branch of philosophy examines issues pertaining to the nature of "reality"?
Axiology Metaphysics Ontology Epistemology

3- Which branch of philosophy deals with knowledge, its structure, method and validity?
Logic Metaphysics Epistemology Aesthetics

4- What is the goal of education according to Idealism?
Realization of moral values Satisfaction of human wants
Perfect adaptation to the environment
Cultivation of dynamic, adaptable mind, resourceful and enterprising in all situations

5-The aim of education according to the Existentialists is
Objective knowledge good understanding of the world outside
Adaptation to practical life Humanitarian and humanist self- realization

6 -The Realist's aim of Education is
Self-realization Happy and moral development
Total development of personality Spiritual and moral development

7-Religious education is strongly advocated by
Realist Pragmatists Idealists Existentialists

8- Which one of the following education systems supports scientific progress?
Idealistic Naturalistic Realistic None of above

9- Why are curriculum activities used in teaching?
Make teaching easy To assist the teacher
To make teaching attractive To make teaching effective

10- What is the main centre of informal Education?
Family Society Radio & TV All of above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Philosophy of Education
Course Code: ED-302 **Part – II** **Time: 2 Hrs. 45 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2 Answer the following short questions **4x5=20**

1. Define Axiology and Ontology.
2. What is the basic concept of philosophy of Pragmatism?
3. What are the aims of Education in the philosophy of progressivism?
4. Define Philosophy?
5. Explain any one mode of philosophy.

Q.3 Answer the following questions **10x3=30**

1. Describe the philosophy of Idealism with reference to aims of education, curriculum, methodology and teacher.
2. Explain similarities and dissimilarities between sciences of Philosophy?
3. Explain various features of Islamic philosophy in detail.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Physical Education
Course Code: PE-211 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q# 2 SHORT QUESTIONS (2x10)

1. How many seasons and cycles are present in sports periodization?
2. Define Physical Fitness?
3. Name four different subdisciplines of Physical Education?
4. How psychological and Physical development can be done through sports?
5. Briefly describe the role of Physical Education in developing awareness of Nutrition in life of a common person?
6. Name different health related and skill related fitness components?
7. Write down four basic codes of ethics for a coach?
8. Define Physical fitness according to WHO?
9. Briefly describe movement concept for general health of a person?
10. Define Non-game specific active warm up?

BRIEF QUESTIONS (10x3)

Q# 3 What is the role of Physical activity in the lives of children? Briefly describe the sequence of a typical lesson of sports? (5+5)

Q# 4 Briefly describe skill related physical fitness components? Also describe health benefits of physical activity? (6+4)

Q# 5 What are general guidelines for principle of diminishing return? Also describe Interval training in detail? (5+5)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Physical Education
Course Code: PE-211 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Helps to stay healthy;
   a) Health related fitness components b) Skill related fitness components
   c) None of these d) Both a & b
2. The ability to exercise your entire body for long period of time is;
   a) Muscular endurance b) Flexibility c) Body composition d) Cardiovascular fitness
3. The amount of force your muscles can produce;
   a) Muscular endurance b) Strength c) Body composition d) Cardiovascular fitness
4. Factor affecting strength;
   a) Age & gender b) Time c) Agility d) b & c
5. Speed is ability to perform _____ a distance in a short period of time;
   a) Movement b) Distance c) Power d) None of these
6. People with good agility are most likely to be good at activates such as;
   a) Diving b) Ice skating c) Table tennis d) All of these
7. Psychomotor abilities are;
   a) Movement controlled by hands b) Movement controlled by brain
   c) Movement controlled by spinal cord d) Movement controlled by eyes
8. Coaches must respect the basic human rights that are;
   a) On the ground of color b) Language c) Equal right d) Political based
9. Warm up is designed to elevate;
   a) Core body temperature b) Performance c) Agility d) Intensity
10. There are _____ major types of warm up.
   a) Three b) two c) four d) five

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Physics-IV (Concepts of Modern Physics)
Course Code: PHY-213 / PHY-22307 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. When a photo-emissive surface is exposed to light of some suitable fre quency:
   (a) Protons are emitted
   (b) Photons are emitted
   (c) Photoelectrons are emitted
   (d) Photograph can be taken

2. Quasi-free electrons means:
   (a) Loosely bound electron
   (b) Tightly bound electron
   (c) Any of these
   (d) Completely free electron

3. Compton shift refers to:
   (a) Proton
   (b) Meson
   (c) Positron
   (d) Photon

4. The part/s of a photocell is/are:
   (a) Thin anode rod
   (b) Evacuated glass tube
   (c) Evacuated glass tube and Cathode of an appropriate metal surface
   (d) Cathode of an appropriate metal surface

P.T.O.

5. Time:

   (a) is relative
   (b) is an absolute quantity
   (c) Depends upon motion of frame of reference
   (d) All above

6. The special theory of relativity is based on:

   (a) Two postulates
   (b) Four postulates
   (c) Three postulates
   (d) One postulate

7. Photoelectrons are emitted when visible light falls on:

   (a) Potassium
   (b) Sodium and Potassium
   (c) Cesium coated oxidized silver
   (d) Sodium

8. There is no way to detect:

   (a) Absolute uniform motion
   (b) State of rest
   (c) State of motion
   (d) Accelerated motion

9. The concept of direction is purely:

   (a) Absolute
   (b) Relative to stars always
   (c) Relative
   (d) Relative to the sun always

10. All motions are:

   (a) Absolute
   (b) Relative to the instrument
   (c) Relative to a person and Relative to the instrument
   (d) Relative to a person

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Physics-IV (Concepts of Modern Physics)
Course Code: PHY-213 / PHY-22307 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers to the following. (4x5=20)

1. What is blackbody radiation? Write down Rayleigh's law and Planck's law for energy density and explain the differnce between them. What is ultraviolet catastrphe?

2. The kinetic energies of photoelectrons range from zero to $4.0 \times 10^{-19} J$ when light of wavelength $3000\mathring{A}$ falls on a surface. What is the stopping potential for this light?

3. Determine the maximum scattering angle in a Compton experiment for which the scattered photon can produce a positron-electron pair.

4. Calculate the kinetic energy of a neutron whose de Broglie wavelength is $0.7\mathring{A}$.

Q.3. Give long answers to the following. (3x10=30)

1. (a) Find the energies of two photons that are produced when annihilation occurs between an electron and positron that are initially at rest.
   (b) Dtermine a photon's threshold energy for pair production.

   (5+5)

2. Discuss in detail the stability of nuclei.

   (10)

3. State and explain de Broglie hypothesis. State properties of matter waves.

   (10)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Contemporary Sociological Theory

Course Code: SOC-204 / SOC-22435 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Explain the following terms: **(4x5=20)**

1- AGIL by Talcott Parson

2- Breaching Experiment

3- Manifest function & Latent function

4- Sociological Imagination

Q.3. Briefly answer the following questions. **(2x15=30)**

1- Explain Georg Simmel's Theory of Philosophy of Money. Elaborate how money plays a role in defining different norms and individual behaviours within society?

2- Write a brief note on Structural Transformation in Public Sphere by Jurgen Habermas.

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Contemporary Sociological Theory
Course Code: SOC-204 / SOC-22435 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i- Individual/ Subjective culture is the capacity of the actor to_____.
a) Produce objects of art, knowledge of science or of philosophy etc.
b) Produce, absorb and control the elements of objective culture.
c) Produce multi-causal, multidirectional facts and values.
d) Produce the subjective reality of the actor.

ii- Charles Horton Cooley is known for the idea _____.
a) Class conflict
b) Looking Glass Self
c) Micro-macro Integration
d) Social Solidarity

iii- 'Archeology of Knowledge' is a key theoretical idea of_____.
a) Anthony Giddens.
b) Alfred Schutz.
c) Antonio Gramsci
d) Michel Foucault

iv- Talcott Parson is known as_____.
a) Structural-Functionalist
b) Micro-Macro Structuralist.
c) Agency-Structure Determinist
d) Proponent of the Chicago School.

v- _____ is also known as a radical sociologist.
a) Herbert Spencer.
b) Talcott Parson
c) George Homans
d) C.W.Mills

P.T.O.

vi- Conflict theory emerged as a_____.

a) critique of feminist theory.
b) alternative to Anthony Giddens's Structuration theory.
c) alternative to Structure-Functionalism
e) Critique of Postmodernism

vii- Ethnomethodology is known as_____.

a) Sociology of everyday life.
b) Sociology of functioning of human mind.
c) Fusion of Marx and Weber.
d) Analysis of the Postmodernism.

viii- The Feminist theory looks at the world as_____.

a) With great contempt.
b) From the vantage points of women.
c) From the vantage points of deep structures of the mind.
d) From the most Weberian point of view.

ix- Talcott Parsons can primarily be defined as a Marxist sociologist.

a) True
b) False

x- Post modernists embrace grand narratives.

a) True
b) False

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Sociology
Course Code: SOC-211 / SOC-22108 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. **Sociology is different from common sense because**
   a. It follows scientific method
   b. Sociological Investigations are research based
   c. Both a & b
   d. None of above
2. **_____ was one among the earliest functionalist sociologists**
   a. August Comte
   b. Weber
   c. Marx
   d. None of above
3. **Sociology is a _____ science**
   a. Natural
   b. Social
   c. Political
   d. All of above
4. **Social expectations that are grounded in morals of society are known as**
   a. Folkways
   b. Mores
   c. Laws
   d. None of above
5. **The application of scientific approach to social world is called**
   a. Ethnocentrism
   b. Positivism
   c. Xenocentrism
   d. Capitalism

P.T.O.

6. **_____ defined sociology as a study of social action**
   a. Weber
   b. Marx
   c. Durkhiem
   d. None of above
7. **Language**
   a. Transmits the culture
   b. Is symbolic in nature
   c. Allows humans to have a vast imagination
   d. All of above
8. **Terrorist outfits are an example of**
   a. Counter culture
   b. Sub culture
   c. Deviant Culture
   d. None of above

9. **The phenomenon of culture being found in all known societies can be described as**
   a. Universality of culture
   b. Particularity of culture
   c. Both of above
   d. None of above
10. **Which one of the following is an example of non-material culture**
   a. Furniture
   b. Technology
   c. Philosophy/religion
   d. All of above

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Sociology
Course Code: SOC-211 / SOC-22108 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Write short answers to following questions. (4x5=20)

1. Define sociology with reference to different sociologists?
2. What is cultural diversity?
3. What is role conflict? Give brief explanation
4. What is ethnomethodology?

Q.3. Write long answers to following questions. (2x15=30)

1. Define socialization and what are the agents of socialization? Discuss with examples
2. Define Crime and explain its causes in our social setup.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Introduction to Social Work
Course Code: GS-212 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give the Brief Answers (3 x 10 Marks):

(a) What is the relationship of Sociological theory with social work
(b) Define Community Development. Explain its different stages/Phases.
(c) Define "Group Work" method. Mention its principles and highlight any four of them.

Q.3. Write Short Notes on the Following (4 x 5 Marks):

(a) What is "Social Work". Discuss its relationship with Sociology
(b) What do you know about social welfare services. What are its various types
(c) Social case work
(d) Social Group Work

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Introduction to Social Work
Course Code: GS-212 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

Which one is "not" a primary method of social work:

(a) Social case work

(b) Social Group work

(c) Community Development.

(d) Social Research

II Philosophy of Social Work is based on which religion:

(a) Christianity

(b) Buddhism

(c) Islam

(d) Hinduism

III Stoichiometry is a technique widely used for study:

(a) Group structure

(b) Status of members in the group

(c) Leadership

(d) None of the above

IV Which one is "not" a stage a social group work:

(a) Norming

(b) Confirming

(c) Performing

(d) All of them

V "Ushr" is collected on which income:

(a) Business

(b) Agriculture

(c) Salary

(d) Bank deposits

P.T.O.

VI "Zakat" is collected at which ratio:

(a) 2 ½ %

(b) 5%

(c) 7%

(d) 10%

VII National Council for social welfare was established in:

(a) 1954

(b) 1956

(c) 1958

(d) 1960

VII Who defined social work "as an art of doing"

(a) Mary Richmond

(b) H.H. Perlman

(c) H.B. Tracker

(d) W.A. Fried Lander.

IX Which one is the 1st stage in social case work process

(a) Study

(b) Diagnosis

(c) Treatment

(d) Follow up

X. Medical Social Work is a branch of:

(a) Case Work

(b) Group Work

(c) Social Research

(d) Social Policy

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Social Work

Course Code: SOCW-211/SWK-22139 Part–I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. is the most frequently used skill in social work
   a. Needs assessment
   b. The interview
   c. Goal setting
   d. The determination of eligibility
2. All of the following are TRUE about the social work interview EXCEPT:
   a. It is purposeful
   b. It has a formally determined time, meeting place and
   c. The worker"s actions are planned, deliberate, and consciously selected to further the interview
   d. It is similar to a personal conversation with a friend
3. Oral communication formats in clinical social work practice consist of:
   a. An agency"s operational manual
   b. An agency"s organizational structure
   c. An agency"s mission statement
   d. An agency"s catchment area
4. The scope and prevalence of social problems (population needs) are determined by:
   a. Case conferences
   b. Team meetings
   c. Student-instructor supervisory sessions
   d. All of the above
5. Leaning forward, saying ummm, nodding, are examples of which one of the following interviewing techniques?
   a. Paraphrasing
   b. Prompting
   c. Furthering
   d. Checking

P.T.O.

6. Sociometry is a technique widely used for study of————?
   a) Group structure
   b) Status of members in the group
   c) Leadership
   d) All the above
7. Groups are classified into primary groups by————?
   a) H.B. Trecker
   b) Cooley
   c) MacIver
   d) Max Weber
8. Which of the following is NOT a stage of social group work process?
   a) Conforming
   b) Norming
   c) Storming
   d) Performing
9. Which of the following is NOT a primary group?
   a) Mob
   b) Family
   c) Gang
   d) Pear group
10. Group work is intended specially ———?
   a) To promote social action
   b) To facilitate community organization
   c) To enhance social functioning
   d) To solve individual and group problems through group process

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Social Work
Course Code: SOCW-211 / SWK-22139 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Define the following with example. (5x4=20)

i. Medical Social Work
ii. Social Work in Schools
iii. Child Welfare
iv. Services of the Older Persons
v. Service for Women

Q.3. Give the brief answers. (10x3=30)

i. Define methods of social work. Explain its various types.
ii. What do you mean by social welfare services? Briefly discuss the social welfare services for children and older persons in Pakistan?
iii. Define Social Work. Explain sociological theory and its applications to social work.

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Sales Tax Custom and Federal Excise Duty
Course Code: COMM-208 / COM-22362 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q # 2 Write short notes on the following: (5x4=20)

a) Define the term "Tax Invoice" under the Sales Tax Act 1990
b) Explain the grounds under which "File a revised return" is required
c) Briefly elaborate the feature of appeals to Commissioner (Appeals)
d) Explain the penalties to the following offences "Failure to furnish a return" and "Failure to issue tax invoice".
e) Briefly give the overview of structure of any one "Federal Excise Duty" or "Customs Duty" in Pakistan

Answer the following questions. (2x15=30)

Q. No. 03

Nine Star Company is a distributor of certain chemicals. During the month of April 2019. its purchases and sales as per return are as under:

1. Taxable turnover to registered persons	Rs.	40,00,000
2. Taxable turnover to non-registered persons		280,000
3. Taxable turnover to registered retailers(Retail price)		300,000
4. Supplies of goods specified in 3rd Schedule (Retail price Rs. 150,000)		100,000
5. Supplies to associated company located in Export processing zone		170,000
6. Supplies to government hospital (Consists of less than 50 beds)		375,000
7. Supplies to government hospital (Consists of more than 50 beds)		180,000
8. Supplies to private hospital		260,000
9. Taxable supplies at discounted price @ 10% (normal business practice) Due to relationship special discount allowed @ 15%		175,000
10. Taxable purchases from registered persons		500,000
11. Taxable purchases against commercial invoices		120,000
12. Taxable purchases against tax invoices		210,000
13. Purchase of pre-fabricated building		650,000
14. Imported taxed goods		380,000
15. General sales tax paid on electricity bill		60,000
16. Purchases from un-registered persons (used for making taxable supplies)		260,000
17. Purchases of office equipment		190,000
18. Replacement of defective parts free of cost under warranty		50,000
19. Purchase of immovable property		850,000
20. Purchase from register person (blacklisted during the period)		250,000
21. Purchase of raw material from cottage industry		100,000
22. Input Tax on lunch provided to the staff		75,000

Required. Calculate sales tax chargeable.

Q.No. 04

Explain the provision of Sales Tax Act 1990 regarding "Compulsory registration" and "De-registration".

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Sales Tax Custom and Federal Excise Duty
Course Code: COMM-208 / COM-22362 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q # 2 Write short notes on the following: (5x4=20)

a) Define the term "Tax Invoice" under the Sales Tax Act 1990
b) Explain the grounds under which "File a revised return" is required
c) Briefly elaborate the feature of appeals to Commissioner (Appeals)
d) Explain the penalties to the following offences "Failure to furnish a return" and "Failure to issue tax invoice".
e) Briefly give the overview of structure of any one "Federal Excise Duty" or "Customs Duty" in Pakistan

Answer the following questions. (2x15=30)

Q. No. 03

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7. Supplies to government hospital (Consists of more than 50 beds)		180,000
8. Supplies to private hospital		260,000
9. Taxable supplies at discounted price @ 10% (normal business practice) Due to relationship special discount allowed @ 15%		175,000
10. Taxable purchases from registered persons		500,000
11. Taxable purchases against commercial invoices		120,000
12. Taxable purchases against tax invoices		210,000
13. Purchase of pre-fabricated building		650,000
14 Imported taxed goods		380,000
15. General sales tax paid on electricity bill		60,000
16 Purchases from un-registered persons (used for making taxable supplies)		260,000
17. Purchases of office equipment		190,000
18. Replacement of defective parts free of cost under warranty		50,000
19. Purchase of immovable property		850,000
20. Purchase from register person (blacklisted during the period)		250,000
21 Purchase of raw material from cottage industry		100,000
22 . Input Tax on lunch provided to the staff		75,000

Required. Calculate sales tax chargeable.

Q.No. 04

Explain the provision of Sales Tax Act 1990 regarding "Compulsory registration" and "De-registration".

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Sales Tax Custom and Federal Excise Duty
Course Code: COMM-208 / COM-22362 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
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Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i. On 14th August 1947, the Pakistan Govt adopted the Custom Act:
   a) Sea Customs Act 1878
   b) Airships Customs Act 1911
   c) Land Customs Act 1924
   d) All of the above

ii. List of Excisable goods and services specified in Federal Excise Act 2005 are available:
   a) First schedule
   b) Second schedule
   c) Third schedule
   d) Fourth schedule

iii. Which one of the following persons has to file special return under the Sales Tax Act 990
   a) Registered persons
   b) Un-registered persons
   c) Both (a) and (b)
   d) De-registered person

iv. If the Appellate Tribunal decision involves point of law, the matter may be referred to
   a) FBR
   b) Federal Govt
   c) High Court
   d) Supreme Court

v. Monthly sales tax liability shall be paid on
   a) 1st date of current month
   b) 15th of following month
   c) End of current month
   d) End of following month

vi. On 14th August 1947, Sales Tax was a provincial subject, levied in the
   a) Province of Punjab and Sindh
   b) Provincially Administrated Tribal Areas
   c) Federally Administrated Tribal Areas
   d) Both (a) and (b)

vii. As provided in section 8B(1) of the Sales Tax Act 1990, a registered person is not allowed to adjust input tax in excess of
   a) 60% of output tax
   b) 70% of output tax
   c) 80% of output tax
   d) 90% of output tax

viii. Retailer means a person supplying goods to general public on
   a) Wholesale prices
   b) Retail prices
   c) Discount prices
   d) All of the above

ix. Input tax is in relation to a registered person means
   a) Tax paid on supply of goods
   b) Tax paid on imports of goods
   c) Tax paid on exports of goods
   d) None of the above

x. Under the provisions of Sales Tax Act 1990, and Rules made there under, excess of input tax over output tax, for any period can be
   a) Carried forward indefinitely
   b) Cannot be carried forward
   c) Carried forward to 6 months
   d) Carried forward to 3 months

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Science (Basic)
Course Code: EDE-110 **Part – II**

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.NO.2 **Answer the following short questions.** **[20]**

1. Define parasitic relationships.
2. Differentiate between speed and velocity.
3. Define species?
4. Differentiate between mass and volume.
5. Differentiate between weather and climate.

Section: **Answer the following questions.** **[30]**

Q.No.3: Write a note on a cell (generalized plant or animal cell). 10

Q.No.4: What are different forms of energy? 10

Q.No.5: a) Write a note on three states of matter (example of water). 6

b) Differentiate between elements and compounds. 4

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Science (Basic)

Course Code: EDE-110 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Viruses are the smallest of all------

   B. vertebrates B. invertebrates C. microorganisms D. aquatic animals

2. Matter has mass and occupies------:

   B. color B. space C. volume D. weight

3. Plants which produce food for others as well are termed as:

   B. Producers B. Consumers C. Decomposers D. Primary consumers

4. ------are animals which have a backbone.

   B. Invertebrates B. Vertebrates C. Soft bodied D. Hard bodied

5. ----- is the space occupied by matter in an object.

   A. Volume B. Weight C. Mass D. Length

6. The combination of many things in which their proportions are variable is called:

   A. Compound B. molecule C. matter D. mixture

7. Due to presence of water ---- is also named as blue planet:

   B. Mars B. Venus C. Earth D. Moon

8. The stable form of an element is known as:

   B. electron B. molecule C. atom D. mixture

9. Classification is the grouping of organism on the basis of similarities and-----.

   B. morphology B. differences C. uniqueness D. resemblances

10. The larger pieces of lands are grouped in the seven----

    B. continents B. deserts C. mountains D. glaciers

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Software Engineering
Course Code: IT-206 / IT-22406 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Short Questions (Marks 20)

Each question is of 4 marks

Question #2:
"Software does not wear out". Explain it.

Question #3:
Differentiate 'metric' and 'measure'?

Question #4:
Explain "data store" with respect to "Data Flow Diagram"?

Question #5:
Differentiate 'modality' and 'cardinality'?

Question #6:
Differentiate "exhaustive testing" and "selective testing"?

Subjective Questions (Marks 30)

Each question is of 10 marks

Question #7:
Define and explain "software development life cycle"?

Question #8:
Explain "transactional flow" and "transform flow" with respect to "Data Flow Diagram"?

Question #9:
Define "Test Case"? Explain any one format to write it with example?

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Software Engineering

Course Code: IT-206 / IT-22406 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which process model is appropriate for the development of commercial softwar
   A. Water Fall Model
   B. Incremental Model
   C. Spiral Model
   D. Prototyping Model

2. Software does not wear out.
   A. True
   B. False

3. Which one of the following is not part of a software?
   A. Data Structure
   B. Documentation
   C. Instructions
   D. None of the above

4. The success of a project lies only on 'customer'.
   A. True
   B. False

5. Total Slack is always more than Free Slack.
   A. True
   B. False

6. State Transition Diagram is part of:
   A. Functional Model
   B. Behavioral Model
   C. Data Model
   D. None of the above

7. External Entities are identified in _____.
   A. Entity Relation Diagram
   B. Data Flow Diagram
   C. State Transition Diagram
   D. All of the above

8. 'Actions' identified in "State Transition Diagram" are the processes identified in "Data Flow Diagram".
   A. True
   B. False

9. A developer of a software can be the tester of same software.
   A. True
   B. False

10. The minimum cyclomatic complexity of a piece of code can be zero.
    A. True
    B. False

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Statistics-IV

Course Code: STAT-203 / STT-22314 Part – II **Time: 2 Hrs.30 Min. Marks: 50**

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SECTION – II

Q. 2	SHORT QUESTIONS	
(i)	What is meant by a Two-way analysis of Variance and an interaction?	(4)
(ii)	Three variable have in pairs simple correlation coefficients given by $r_{12} = 0.8$, $r_{13} = -0.7$ and $r_{23} = -0.9$. Find the multiple correlation coefficient $R_{1.23}$ of X_1 on X_2 and X_3.	(4)
(iii)	(a) Define a Contingency Table. How do you determine the number of degrees of freedom in an r×c contingency table. (b) Discuss the important properties of chi-square distribution.	(4)
(iv)	What is a multiple regression? Explain the basic difference between simple regression and multiple regression .	(4)
(v)	Define and discuss the use of randomization and replication in designing an experiment.	(4)

SECTION – III

LONG QUESTIONS

Q.3 Five pennies were tossed 1000 times and the number of heads were observed as given below (6)

Number of heads	0	1	2	3	4	5
Frequencies	38	144	342	287	164	25

Test whether a binomial distribution gives a satisfactory fit to test data by applying the chi-square goodness-of-fit-test.

Q.4 Perform the analysis of variance on the following data and analyse the treatment means using the "least significant difference" test with a 0.05 level of significance. (6)

		Treatments					
		1	2	3	4	5	6
Blocks	1	1	3	6	4	3	2
	2	1	4	4	8	5	1
	3	3	6	7	8	4	3
	4	2	3	2	3	2	1

P.T.O.

Q.5 The following table shows the corresponding values of three variables X_1, X_2 and X_3. (6)

X_1	3	5	6	8	12	14
X_2	16	10	7	4	3	2
X_3	90	72	54	42	30	12

a) Find the regression equation X_3 on X_1 and X_2.
b) Estimate X_3 when $X_1 = 10$ and $X_2 = 6$.
c) Compute $R_{3.12}$ and $S_{3.12}$

Q.6 Given the following data (6)

Y	2	5	7	8	5
X_1	8	8	6	5	3
X_2	0	1	1	3	4

(a) Calculate the estimated regression equation, (i.e $Y=a+b_1X_1+b_2X_2$) for the above data.

(b) State the meaning of the partial regression coefficients b_1 and b_2.

Q.7 The following data obtained from a randomized complete block design with 3 treatments A, B and C and 3 blocks contain one missing observation represented by *x*. (6)

Blocks	Treatments		
	A	B	C
I	5	12	15
II	7	10	14
III	8	16	x

Estimate the missing observation and prepare a table for analysis of variance.

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Statistics-IV

Course Code: STAT-203 / STT-22314 Part–I (Compulsory) Time: 30 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

(i)	Suppose in a population of size N, the class frequencies of two attributes A and B are given by (A) and (B), Then we have the expectation of (A) and (B) combined is			
	(a) $\frac{(A)(B)}{N^4}$	(b) $\frac{(A)}{N}\cdot\frac{(B)}{N}$	(c) $\frac{(A)}{N^2}\cdot\frac{(B)}{N^2}$	(d) $\frac{(A)(B)}{N}$
(ii)	In Duncan's multiple range test the "least significant range" is defined as			
	(a) $R_p = q_\alpha(p,\nu)\sqrt{s/r}$	(b) $R_p = q_\alpha(p,\nu)\sqrt{s^2/r^2}$	(c) $R_p = q_\alpha(p,\nu)\sqrt{s^2/r}$	(d) $R_p = q_\alpha(p,\nu)\sqrt{s/r^2}$
(iii)	If the multiple correlation coefficient $R_{3.12} = 1$, then it implies a			
	(a)Weak linear relationship	(b)Perfect relationship	(c)Perfect linear relationship	(d)High relationship
(iv)	The second principle of an experimental design is			
	(a)Randomization	(b)Local control	(c)Replication	(d)None of these
(v)	The hypothesis is rejected at the α level of significance, when			
	(a) $F \le F_\alpha;(\nu_1,\nu_2)$	(b) $F > F_\alpha;(\nu_1,\nu_2)$	(c) $F < F_\alpha;(\nu_1,\nu_2)$	(d) $F \ge F_\alpha;(\nu_1,\nu_2)$
(vi)	Which of the following relationship holds			
	(a) $r_{12.3} = \sqrt{b_{12.3}\times b_{12.3}}$	(b) $r_{12.3} = \sqrt{b_{23.1}\times b_{32.1}}$	(c) $r_{13.2} = \sqrt{b_{13.2}\times b_{13.2}}$	(d)none of these
(vii)	The range of multiple correlation coefficient is			
	(a) 0 to 1	(b) 0 to +∞	(c) -1 to +1	(d) none of these
(viii)	If a chi-square test is performed on a contingency table with 5 rows and 4 columns. How many degrees of freedom should be used?			
	(a)10	(b)14	(c)12	(d) 9
(ix)	If $s^2 = 1.57$, $r = 4$ and $t_{0.025,(15)} = 2.13$, then the "Least significant difference" is			
	(a)1.98	(b)1.97	(c)1.79	(d)1.89
(x)	The standard error of estimate in multiple regression has degrees of freedom			
	(a) k - n	(b) k - 1	(c) n - k	(d) n - 1

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Probability and Statistics
Course Code: STAT-221 / IT-22407 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

i) Statistics at large, deals with_____
a) sampling b) uncertainty.
c) model building d) correlations.

ii) --------- cannot be computed in case of open-end classes
a) median b) mean
c) mode d) central tendencies

iii) Dispersion measures_____ of any data.
a) variability b) scatterness
c) efficiency d) a&b

iv) Centeral tendencies of any data are_____
a) central observations b) Balancing points
c) single figure presentation of data d) all of the above

v) Stem & leaf diagram and Histogram can lead to judge_____
a) scatterness b) Normality
c) a&b d) none of the above.

vi) Poisson probability deals with
a) Discrete events b) rare events
c) limited number of observations d) a &b both

vii) The two events A and B are mutually exclusive which of the following statements must be true?
a) $P(A \cup B)=0$ b) $P(A)+P(B)=1$
c) $P(A \cap B)=1$ d) Not any of a,b,&c

viii) If $P(A)=1-P(B)$, then A and B are_____ events.
a) Mutually exclusive events b) complimentary events
c) exhaustive events d) both b&c

ix) The strength of a linear relationship between two variables Y and X is measured by
a) r^2 b) R^2
c) r d) None of above

x) In the regression equation $Y = \alpha + \beta x + \varepsilon$, both X and Y variables are
a) Random b) Fixed
c) X is fixed and Y is random d) Y is fixed and X is random

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Probability and Statistics
Course Code: STAT-221 / IT-22407 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Write short answers to each of the followings. **(2x10)**

i) How descriptive Statistics is helpful in decision making?
ii) What is the use of Box-Cox plots?.
iii) Write any four tools of exploratory data analysis.
iv) What is the role of Moments in measuring scatterness.
v) List the parameters of Normal distribution.
vi) What is the main difference between the Binomial and Poisson experiments?
vii) Differentiate between trial,event and sample space.
viii) What purpose does the Baye's theorem serve?
ix) Write any two properties of least square regression line.
x) Write the properties of correlation coefficient.

Q.3. Given the following frequency distribution of weights, calculate the Mean and geometric mean. **(10)**

Weight (grams)	65–84	85–104	105–124	125–144	145–164	165–184	185–204
f	9	10	17	10	5	4	5

Q.4. Goals scored by two teams A and B in a football season were as follows: **(06)**

No. of goals scored in a match (x_i)	Number of matches	
	A	B
0	27	17
1	9	9
2	8	6
3	5	5
4	4	3

By calculating the co-efficient of variation in each case, find which team may be considered more consistent.

Q.5. Two coins are tossed. What is the conditional probability that two heads result, given that there is at least one head? **(04)**

Q.6 Two hundred passengers have made reservations for an airplane flight. If the probability that a passenger who has a reservation will not show up is 0.01, what is the probability that exactly three will not show up? **(05)**

Q.7 Let X be $N(100, 225)$. Find the following probabilities: **(05)**

a) $P(X \leq 92.5)$,
b) $P(X \leq 107.5)$,
c) $P(X \geq 124)$,
d) $P(112 \leq X \leq 128.5)$,
e) $P(91 \leq X \leq 127)$,

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B.S. 4 Years Program / Fourth Semester – 2019

Paper: Technical & Business Writing (IT)
Course Code: ENG-232 / ENG-22452 Part – I (Compulsory) Time: 15 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1). _____ studies a situation and plan for doing something about it and then determines whether that plan is practical and workable.

a) Progress report
b) Compliance report
c) Feasibility report

2) _____ provides an opinion or judgement rather than a yes –no answer.

a) Evaluation report
b). Compliance report
c) Feasibility report

3) One of the most common and one of the most important uses of technical writing is _____.

a) Progress report
b) Proposal
c) Instructions

4) Cultural communication means _____

a) Communication between two cultures

b) Awareness of different cultures

c) high and low cultures

5) A _____ CV lists your educational background and your work experience is reverse chronological order.

a) Functional
b) Traditional
c) Skills

6) _____ requires knowing your audience and ensuring that your message provides all of the information that they need.

a) Decoding
b) Encoding
c) Feedback

P.T.O.

7) _____ let's you gauge how successful you were at communicating.

a) Encoding
b) Context
c) Feedback

8) Most of your interpersonal communication at work will be at _____ level.

a) Friends and acquaintances
b) Intimate
c) Non intimate

9) The letter of _____ is a document written by the person who has given permission for conduction the project.

a) Transmittal
b) Authorization
c) Acceptance

10) An _____, immediately preceding the body, is a concise description of the report.

a) Acknowledgement
b) Executive summary
c) Discussion

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B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Technical & Business Writing (IT)
Course Code: ENG-232 / ENG-22452 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q#2 Give short answers of five of these questions. (4x5=20)

1. Differentiate between Commercial versus grant proposals.
2. How do you decide whether to give the negative directly or to buffer it?
3. How do you use positive emphasis in a negative message?
4. What are the criteria for good subject lines?
5. Differentiate between goodwill messages and goodwill effort?
6. What sort of changes are taking place in our society that might change the way we respond to persuasive messages?
7. What is the purpose of an appendix in a research report?

Section – B

Q#3 Attempt two questions from the following. (2x15=30)

1. An important customer has asked your bank to extend his credit limit. As this customer's previous records show that he doesn't pay his credit bills in time, you are reluctant to extend his credit, and at the same time you don't want to lose him. Write either a positive or a negative letter, which ever seems appropriate to you. Follow all the formatting guidelines.
2. Design your own CV in the traditional format, listing all required information.
3. Write a memo to your assistant, and let him/her know what tasks to complete while you are on your annual leave.

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B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Tafseer-III

Course Code: ISE-205 / ISL-22419 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

سوال نمبر2: کوئی سے دس سوالات کے مختصر جوابات لکھیں۔ ہر جزو کے دو نمبر ہیں۔ (20)

1۔ "اذا حللتم فاصطادوا" کا ترجمہ کریں۔

2۔ کتابی عورت سے نکاح کی اجازت کے لیے کیا دو شرائط ہیں؟

3۔ مرتدین کے مقابلہ میں کھڑی ہونے والی قوم کی چار قرآنی صفات بتائیں؟

4۔ شکاری جانور کے شکار کردہ کے حلال ہونے کی دو قرآنی شرائط بتائیں؟

5۔ آیت تطہیر سے کون سی آیت مراد ہے؟

6۔ غزوہ احزاب کے موقع پر کفار کی اتحادی افواج کو دیکھ کر منافقین نے کیا کہا؟

7۔ رسول اللہ ﷺ کو اذیت دینے والوں سے متعلق کیا فرمایا گیا ہے؟

8۔ عقیدہ تثلیث اور ابنیت مسیح میں کیا فرق ہے؟ مختصراً بتائیں۔

9۔ تفسیر ابن کثیر کا اصل نام لکھیں؟

10۔ سورۃ المائدہ میں کس خاتون کو "صدیقة" کے لقب کے ساتھ یاد کیا گیا ہے؟

11۔ درود شریف کے حکم پر مبنی آیت یا اس کا ترجمہ لکھیں؟

12۔ ''امسك عليك زوجك'' کس کے الفاظ ہیں اور ان کا مخاطب کون ہے؟

حصہ سوم (انشائیہ طرز) (15x2=30)

سوال نمبر3: فبما نقضهم ميثا قهم لعنهم وجعلنا قلو بهم قسية يحرفون الكلم عن مواضعه ونسوا حظا مما ذكروا به ولا تزال تطلع على خائنة منهم الا قليلا منهم۔

آیت کا ترجمہ کریں نیز سورۃ المائدہ کی روشنی میں یہود میں موجود خرابیوں کو تفصیلاً بیان کریں۔

یا

سورۃ المائدہ کے مضامین کا خلاصہ کم از کم پانچ عنوانات کے حوالے سے زیب قرطاس کریں۔

سوال نمبر4: من المومنين رجال صد قوا ماعهدوا الله عليه فمنهم من قضى نحبه و منهم من ينتظر وما بد لوا تبديلا۔

ترجمہ کریں، شان نزول بتائیں نیز اسلام میں جہاد بالسیف کی ضرورت و اہمیت مدلل انداز میں بیان کریں۔

یا

غزوہ بنو قریظہ کی وجوہات/ واقعات اور نتائج قلمبند کریں۔

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Paper: Tafseer-III

Course Code: ISE-205 / ISL-22419 Part – I (Compulsory) Time: 15 Min. Marks: 10

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This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

سوال نمبر1: مندرجہ ذیل میں سے درست جوابات پر صحیح (✓) کا نشان لگائیں۔ کاٹ کر لکھا گیا جواب درست تسلیم نہ ہوگا۔ (10)

1۔ "الاحزاب" کا معنی ہے۔

(الف) قوم (ب) قبیلے (ج) جماعتیں

2۔ "متبنی" کا مطلب ہے۔

(الف) حقیقی بیٹا (ب) لے پالک (ج) رضاعی بیٹا

3۔ "لایجرمنکم" کا مطلب ہے۔

(الف) نہ تم جرم کرو (ب) نہ تم جاری کرو (ج) نہ تم کو آمادہ کرے

4۔ "بیان القرآن" کے مصنف کا نام ہے۔

(الف) علامہ شبیر احمد عثمانیؒ (ب) مولانا اشرف علی تھانویؒ (ج) مولانا محمد ادریس کاندھلویؒ

5۔ "الموقوذة" کا مطلب ہے۔

(الف) چوٹ لگنے سے مرا جانور (ب) سینگ لگنے سے مرا جانور (ج) گلا گھٹنے سے مرا جانور

6۔ "المعوقین" کا مطلب ہے۔

(الف) سہولت دینے والے (ب) رکاوٹ ڈالنے والے (ج) ساتھ چلنے والے

7۔ "اشحة" کا معنی ہے۔

(الف) سخی دل (ب) کنجوس (ج) کمزور دل والے

8۔ سید رشید رضا کی تفسیر کا نام ہے۔

(الف) احکام القران (ب) تفسیر المنار (ج) فی ظلال القرآن

9۔ یہود نے نبی موسیٰ کے ساتھ کیا سلوک کیا۔

(الف) عزت افزائی کی (ب) اذیت پہنچائی (ج) راحت پہنچائی

10۔ "الحواریین" سے مراد ہے۔

(الف) جنت کی حوریں (ب) اصحاب عیسیٰ (ج) مخالفین عیسیٰ

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Urdu-II

Course Code: EDE-172 Part – II Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

اس پرچہ کو مہیا کی گئی جوابی کاپی پر حل کریں۔

سوال نمبر2: درج ذیل سوالات کے مختصر جوابات دیں۔ (4x5=20)

1. مولوی عبدالحق کا سوانحی خاکہ پیش کریں۔
2. پریم چند کے افسانوں کی خصوصیات درج کریں۔
3. مسدسِ حالی کا خلاصہ لکھیں۔
4. نظم "زمانہ حاضر کا انسان" کا خلاصہ لکھیں۔

سوال نمبر3: درج ذیل سوالات کے تفصیلی جوابات درج کریں۔ (3x10=30)

i. اکبر الٰہ آبادی کے کلام کی خصوصیات کا تفصیلی جائزہ لیں۔ (10)

ii. رشید احمد صدیقی کے حالاتِ زندگی اور طرزِ تحریر کا جائزہ لیں۔ (10)

iii. مندرجہ ذیل اشعار کی تشریح کریں نیز نظم کا عنوان اور شاعر کا نام بھی درج کریں۔ (4+4+1+1=10)

ے تھا جنہیں ذوقِ تماشا، وہ تو رخصت ہو گئے
لے کے اب تو وعدہ دیدارِ عام آیا تو کیا

ے انجمن سے وہ پرانے شعلہ آشام اٹھ گئے
ساتیا! محفل میں تو آتش بجام آیا تو کیا

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Paper: Urdu-II

Course Code: EDE-172 **Part–I (Compulsory)** **Time: 15 Min. Marks: 10**

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

سوال نمبر1: درج ذیل سوالات کے درست جوابات کی نشاندہی کریں۔ (1x10=10)

1. علامہ اقبال کی تاریخ وفات ہے۔

(الف) 1937ء (ب) 1938ء (ج) 1940ء (د) 1939ء

2. اقبال کی شاعری کا بیشتر حصہ عمر کے لحاظ سے کن لوگوں کے لئے ہے۔

(الف) بچوں کے لئے (ب) بزرگوں کے لئے (ج) نوجوانوں کے لئے (د) سب کے لئے

3. "لسان العصر" کس شاعر کا لقب ہے؟

(الف) میر (ب) سودا (ج) اقبال (د) اکبر الہ آبادی

4. اکبر الہ آبادی کا اصل نام کیا ہے؟

(الف) محمد علی (ب) محمد اصغر حسین (ج) سید اکبر حسین (د) علی مرزا

5. "مسدسِ حالی" الطاف حسین حالی نے کب لکھی؟

(الف) 1879ء (ب) 1880ء (ج) 1885ء (د) 1886ء

6. "ارمغانِ حجاز" کے مصنف کا کیا نام ہے؟

(الف) غالب (ب) حالی (ج) اقبال (د) فیض

7. "حیاتِ سعدی" کس کی تصنیف ہے؟

(الف) حالی (ب) شبلی (ج) مولانا عبدالحق (د) حسرت موہانی

8. مرزا فرحت اللہ بیگ کی وجہ شہرت کیا ہے؟

(الف) ناول نگاری (ب) مزاح نگاری (ج) تنقید نگاری (د) تحقیق و تدوین

9. "نقشِ فریادی" کس کا شعری مجموعہ ہے؟

(الف) فیض احمد فیض (ب) اقبال (ج) حالی (د) حفیظ جالندھری

10. حفیظ جالندھری کو کس خطاب سے نوازا گیا؟

(الف) خان بہادر (ب) لسان العصر (ج) خدائے سخن (د) شاعرِ انقلاب

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Nasri Isnaaf-Taruf o Tafheem-II
Course Code: URDU-204 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

سوال نمبر۲۔ درج ذیل پیراگراف کی تشریح مع حوالہ متن اور سیاق وسباق کیجیے۔ (۱۵=۱+۱+۳+۱۰)

''ڈاکٹر صاحب عام طور پر مجھے اپنے کمرے کے بالکل نزدیک سلایا کرتے تھے۔ رات کو دو ڈھائی بجے دبے پاؤں اٹھتے تھے اور وضو کر کے جانماز پر جا بیٹھتے تھے۔ نماز پڑھ کر وہ دیر تک سجدے میں پڑے رہتے تھے۔ فارغ ہو کر بستر پر آ لیٹتے تھے۔ میں حقہ تازہ کر کے لا رکھتا تھا۔ کبھی ایک کبھی دو کش لگاتے تھے۔ کبھی آنکھ لگ جاتی تھی۔ بس صبح تک اسی طرح کروٹیں بدلتے رہتے تھے۔''

سوال نمبر۳۔ درج ذیل سوالات کے مختصر جواب لکھیے۔ (۱۰=۲×۵)

(۱) بیگم اختر ریاض الدین کی سفرنامہ نگاری کی تین نمایاں خصوصیات لکھیے۔

(۲) محمد حسین آزاد کے مضمون ''سچ اور جھوٹ کا رزم نامہ'' کا مرکزی خیال لکھیے۔

(۳) ''اوکھے لوگ'' تصنیف خاکہ نگاری کی کس بنیادی شرط کو پورا کرتی ہے؟

(۴) آپ بیتی اور سوانح کا فرق واضح کیجیے۔

(۵) مضمون اور انشائیہ میں کیا فرق ہے؟

سوال نمبر۴۔ محمد حسین آزاد کے اسلوب کی نمایاں خصوصیات بیان کیجیے۔ (۱۰)

سول نمبر۵۔ ڈاکٹر وزیر آغا کی انشائیہ نگاری کے حوالے سے خدمات بیان کیجیے۔ (۱۰)

سول نمبر۶۔ درج ذیل سے کسی ایک پر مختصر نوٹ لکھیے۔ (۵)

(۱) سفرنامہ (۲) مضمون

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Nasri Isnaaf-Taruf o Tafheem-II

Course Code: URDU-204 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

Roll No. in Fig. .....

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

سوال نمبر ا: نوٹ: کسی ایک جواب پر (✓) کا نشان لگائیں

(i) میکسیکو کے ایک عجائب گھر کا ذکر ہے؟

(ا) ''دھنک پر قدم'' میں (ب) ''دھنک پر کمند'' میں (ج) ''دھنک کے رنگ'' میں (د) ''دھنک کے سنگ'' میں

(ii) ''سچ اور جھوٹ کا رزم نامہ'' کے مصنف کا نام ہے؟

(ا) محمد علی صدیقی (ب) محمد حسین آزاد (ج) محمد رفیع سودا (د) محمد علی بخش

(iii) ڈاکٹر بشیر سیفی کی تصنیف ہے:

(ا) خاکہ نگاری کا فن (ب) خاکہ نگاری کا ارتقا (ج) خاکہ نگاری-فن وتنقید (د) خاکہ نگاری کی تاریخ

(iv) اردو نثر کا فنی ارتقا کے مصنف کا نام ہے:

(ا) فرمان فتح پوری (ب) نیاز فتح پوری (ج) قربان فتح پوری (د) سلمان فتح پوری

(v) سر سید احمد خان کا مضمون ہے:

(ا) سود خوری (ب) کرپشن (ج) تعصب (د) مذہب

(vi) چلتے ہو تو چین کو چلیے کا تعلق ہے صنف:

(ا) سفرنامہ سے (ب) آپ بیتی سے (ج) مضمون سے (د) انشائیہ سے

(vii) آپ بیتی کا مطلب ہے:

(ا) قصہ گوئی (ب) خودنوشت سوانح (ج) سفر کی یادداشت (د) داستان

(viii) انور سدید کی تصنیف کا عنوان مکمل کیجیے۔ انشائیہ۔۔۔۔۔۔

(ا) ہندی ادب میں (ب) عربی ادب میں (ج) اردو ادب میں (د) فارسی ادب میں

(ix) ''اردو ادب میں سفرنامہ'' کے مصنف کا نام ہے:

(ا) ڈاکٹر انور مسعود (ب) ڈاکٹر انور سدید (ج) ڈاکٹر انور منور (د) ڈاکٹر انوار رائے

(x) محمد حسین آزاد صاحب طرز۔۔۔۔۔ ہیں۔

(ا) بلند پرواز (ب) رقم طراز (ج) انشا پرداز (د) قلم تراش

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Tehqeeq o Tanqeed (Bunyadi Mubahas)

Course Code: URDU-205 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

اس پرچے کو علیحدہ سے مہیا کی گئی جوابی کاپی پر حل کریں

سوال نمبر2: درج ذیل سوالات کے اختصار کے ساتھ جوابات دیں۔ (5x4=20)

1. تحقیق کو کن دو اقسام میں رکھا گیا ہے؟ تعارف کرائیے۔
2. تحقیق اور تخلیق کے باہمی ربط کی وضاحت کیجیے۔
3. اردو تنقید کے عمرانی دبستان کا تعارف کرائیے۔
4. ایک اچھی تحقیق کے لیے محقق کا نقاد ہونا کس حد تک ضروری ہے؟

سوال نمبر3: درج ذیل سوالات کے تفصیلی مگر جامع جواب تحریر کیجیے۔ (10X3=30)

1. رشید حسن خاں کی تحقیق کی خصوصیات تحریر کریں۔ (10)
2. احتشام حسین کے تنقیدی نظریات کا جائزہ لیجیے۔ (10)
3. نفسیاتی دبستان کے اہم اُردو ناقدین کے نظریات بیان کیجیے۔ (10)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Tehqeeq o Tanqeed (Bunyadi Mubahas)
Course Code: URDU-205 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

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اس پرچے کو صرف اسی سوالیہ کاپی پر حل کریں

سوال نمبر1: مندرجہ ذیل میں سے درست جواب پر درست (✓) کا نشان لگائیں۔ کاٹ کر یا مٹا کر لکھا گیا جواب غلط تصور ہو گا۔ (1x10=10)

1. "مبادیاتِ تحقیق" کے مصنف کون ہیں؟
(الف) مولوی عبدالحق (ب) عبدالرزاق قریشی (ج) حافظ محمود شیرانی (د) سید عبداللہ

2. "ادبی تحقیق کے اصول" کس کی کتاب ہے؟
(الف) معین الدین عقیل (ب) سہیل احمد خان (ج) تبسم کاشمیری (د) اکرام چغتائی

3. "اشاراتِ تنقید" کے مصنف کون ہیں؟
(الف) سید عبداللہ (ب) جابر علی سید (ج) عبدالرزاق قریشی (د) مولوی عبدالحق

4. "تحقیق کا فن" کس کی تصنیف ہے؟
(الف) گوپی چند نارنگ (ب) گیان چند جین (ج) ابوالکلام قاسمی (د) شمس الرحمن فاروقی

5. "کلاسیکی ادب کی فرہنگ" پہلی بار کب شائع ہوئی؟
(الف) 2001 (ب) 2003 (ج) 2004 (د) 1996

6. "انشائے غالب" کس کی تصنیف ہے؟
(الف) مرزا غالب (ب) رشید حسن خان (ج) انشاء اللہ خان (د) سید عبداللہ

7. "پاکستان میں اردو تحقیق" کے مصنف کون ہیں؟
(الف) سید عبداللہ (ب) انتظار حسین (ج) سہیل احمد خان (د) معین الدین عقیل

8. احتشام حسین کس دبستانِ تنقید کے علم بردار تھے؟
(الف) رومانوی (ب) ترقی پسند تحریک (ج) انجمن پنجاب (د) تحریکِ سرسید

9. "تلاش و تعبیر" کس کا تنقیدی مجموعہ ہے؟
(الف) رشید حسن خاں (ب) سلیم اختر (ج) احتشام حسین (د) حسن عسکری

10 "ستارہ یا بادبان" کس کا تنقیدی مجموعہ ہے؟
(الف) انتظار حسین (ب) اسلم انصاری (ج) محمد حسن عسکری (د) سلیم اختر

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Tehreer o Insha (Practics)
Course Code: URDU-206 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

اس پرچے کو علیحدہ سے مہیا کی گئی جوابی کاپی پر حل کریں

سوال نمبر۲۔ درج ذیل سوالات کے مختصر جواب لکھیے۔ (۲۰)

(۱) تبصرہ نگاری میں کن امور کو پیشِ نظر رکھا جاتا ہے؟ بیان کریں۔ (۵)

(۲) رپورتاژ پر مختصر نوٹ لکھیں؟ (۵)

(۳) مکالمہ نگاری کی خصوصیات قلم بند کریں؟ (۵)

(۴) مراسلت نگاری کسے کہتے ہیں؟ کم از کم پانچ مشہور ادبی مراسلت نگاروں کے نام لکھیں؟ (۵)

سوال نمبر۳۔ اردو میں مضمون نگاری کے آغاز اور ترویج پر مفصل مضمون قلم بند کریں۔ (۱۵)

سوال نمبر۴۔ انشائیہ کی ادبی صنف کے بارے میں آپ کیا جانتے ہیں؟
اردو انشائیہ نگاروں کی خدمات کے حوالے سے بیان کریں۔ (۱۵)

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

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Signature of Supdt.:

Paper: Tehreer o Insha (Practics)

Course Code: URDU-206 Part – I (Compulsory) **Time: 15 Min. Marks: 10**

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

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اس پرچے کو صرف اسی سوالیہ کاپی پر حل کریں

سوال نمبر ا: نوٹ: کسی ایک جواب پر (✓) کا نشان لگائیں

(i) سرسید کے رسالے کا نام تھا:

(ا) اسبابِ بغاوتِ ہند (ب) تہذیب الاخلاق (ج) مخزن (د) الہلال

(ii) مولوی چراغ علی تھے:

(ا) ناول نگار (ب) افسانہ نگار (ج) مضمون نگار (د) شاعر

(iii) مکالمے کے جُملے ہونے چاہئیں؟

(ا) طویل (ب) غیر سنجیدہ (ج) اساطیری (د) مختصر اور جامع

(iv) مراسلت کس زبان کا لفظ ہے؟

(ا) عربی (ب) فارسی (ج) سنسکرت (د) بنگالی

(v) ادبی صنف ''انشائیہ'' کا اسلوب ہوتا ہے:

(ا) متین (ب) افسانوی (ج) مدلل (د) شگفتہ

(vi) شاعری کا ترجمہ ہونا چاہیے:

(ا) لفظی (ب) تخلیقی (ج) غیر تخلیقی (د) توضیحی

(vii) انشائیہ کے بانی مونتاں کا ملک تھا:

(ا) فرانس (ب) برطانیہ (ج) جرمنی (د) روس

(viii) ''اصنافِ ادب کی مختصر تاریخ'' کے مصنف ہیں:

(ا) حفیظ صدیقی (ب) گیان چند (ج) عطش درانی (د) رفیع الدین ہاشمی

(ix) میراجی ''اس نظم میں'' کے عنوان سے لکھتے ہیں:

(ا) پیش لفظ (ب) مضمون (ج) افسانہ (د) تجزیہ

(x) یہ بات کس نے لکھی کہ میں نے مراسلے کو مکالمہ بنا دیا ہے:

(ا) مرزا غالب (ب) ابوالکلام آزاد (ج) علامہ اقبال (د) مولوی عبدالحق

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Visual Programming Concept
Course Code: BBA-208 / BUS-22350 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give brief answers to the following questions (Short Questions). Marks: (10*2=20)

1. Define instance in object-oriented programming.
2. Define destructor.
3. What is abstraction and its benefits.
4. What is exception handling?
5. What are the access modifiers?
6. What is early and late Binding?
7. What is the difference between structure and a class?
8. What is the use of constant variables?
9. Define nested if statement and also give an example.
10. Define function and its benefits.

Q3. Give detail answers to the following questions (Long Questions) Marks: 30

1. State the important features of Object-Oriented Programming. Compare Object-Oriented programming with Procedure-Oriented programming.
2. difference between abstraction and encapsulation with detail example in your word.
3. Write an algorithm to print table from 2 to 10.

Eg.

2 X 1 = 2
2 X 2 = 4
: : :
3 X 1 = 3
3 X 2 = 6
: : :

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Visual Programming Concept
Course Code: BBA-208 / BUS-22350 Part – I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Visual basic was developed by _____
   A) Prof. Bell
   B) Prof. John Kemmeny and Thomas Kurtz
   C) Prof. Howard Bell
   D) Both b and c
2. A Order data for baseball tickets and bar code data are examples of
   A) raw input.
   B) raw output.
   C) customer and product data.
   D) sales information.
3. When does Exceptions arises in code sequence?
   A) Run Time
   B) Compilation Time
   C) Can Occur Any Time
   D) None of the mentioned
4. What is function overloading?
   A) Methods with same name but different parameters.
   B) Methods with same name but different return types.
   C) Methods with same name, same parameter types but different parameter names.
   D) None of the above.
5. How many classes can be defined in a single program?
   A) Only 1
   B) Only 100
   C) Only 999
   D) None of above
6. Which concept of OOP is false for C++?
   A) Code can be written without using classes
   B) Code must contain at least one class
   C) A class must have member functions
   D) At least one object should be declared in code

P.T.O.

7. How does the computer store the letter e.g. 's'?
   A) In binary format
   B) In ASCII representation
   C) The letter is mapped onto some number and this number is stored
   D) All of the above
8. What is the value stored in the integer variable intVar?

```
int intVar = 24.2 / 2;
```

   A) 12
   B) 12.1
   C) 13
   D) 24
   E) None of the above
9. How many times is the body of the loop executed?

```
int i=1;
while(true) {
        cout << i;
        if(i==5)
                break;
        i++; }
```

   A) Forever
   B) 5 times
   C) 6 times
   D) 0 times
   E) None of the above

10. What does the following piece of code print?

```
for(int i=0;i<3;i++) {
        for(int j=5;j<7;j++) {
                cout << '*';
        }
        cout <<endl; }
```

a.
```
**
**
**
```

b.
```
******
```

c.
```
***
***
```

d.
```
*
**
```

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Writing Workshop (MAS)

Course Code: ENG-223/MAS-22453 Part–I (Compulsory) Time: 15 Min. Marks: 10

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ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which among the following is/are a mode of writing.
   a) Expository b) Journalistic
   c) Persuasive d) All of the above
2. Inverted pyramid style of writing is followed in the print industry?
   a) True b) False
3. Which among the following is/are a type of lead?
   a) Summary b) Descriptive
   c) Question d) All of the above
4. _____ is a creative and a subject article, which is designed to entertain and inform readers.
   a) News story b) Feature
   c) Editorials d) All of the above
5. _____ is an interesting story about a real incident or a person
   a) Metaphors b) Anecdotes
   c) Feature d) News Story
6. Which phrase describe a feature:
   a) Hard news story b) A soft news story
   c) Short article d) An accident based report
7. Your choice of source should be dependent on?
   a) Popularity b) Expertise
   c) Availability d) Appearance
8. What is a creative lead / story?
   a) A story that keeps the reader's interest
   b) A story that losses interest
   c) A serious story
   d) A crime based story
9. A summary lead contains:
   a) Most important facts of story b) A direct quote
   c) Political insight d) Human rights angle
10. What is Soft News?
   a) News based on opinions b) Advice columns
   c) Interesting / entertaining story d) Popular story

P.T.O. for Urdu Version

سوال نمبر1: درست جواب پر درست (✓) کا نشان لگائیں۔ کاٹ کر یا مٹا کر لکھا گیا جواب غلط تصور ہو گا۔ **(1x10=10)**

1. ان میں سے لکھنے کے کونسا / کونسے طریقے مناسب ہیں۔

(الف) نمائشی (ب) صحافتی (ج) قائلی (د) یہ تمام

2. کیا انورٹڈ پائیر امڈ طریقہ کار پرنٹ میڈیا میں استعمال ہوتا ہے؟

(الف) ہاں (ب) نہیں

3. ان میں سے لیڈ کی اقسام کیا ہیں؟

(الف) سمری (ب) وضاحتی (ج) سوالیہ (د) یہ سب

4. ان میں سے کون سی قسم تخلیقی اور وضاحتی حیثیت حاصل ہے؟

(الف) نیوز سٹوری (ب) فیچر (ج) اداریہ (د) یہ سب

5. ---------ایک دلچسپ کہانی ہے جو کسی حقیقی کہانی یا شخصیت کے بارے میں ہوتی ہے۔

(الف) استعارہ (ب) کہانی (ج) فیچر (د) نیوز سٹوری

6. ان میں سے کونسا جملہ فیچر کو بیان کرتا ہے؟

(الف) ہارڈ سٹوری (ب) سوفٹ سٹوری (ج) مختصر آرٹیکل (د) حادثاتی کہانی

7. نیوز کا سورس مندرجہ ذیل میں کونسی خصوصیت کا حامل ہونا چاہئے۔

(الف) مشہور (ب) ایکسپرٹ (ج) دستیابی (د) قابلِ دید

8. ایک دلچسپ لیڈ سٹوری کیسی ہونی چاہئے؟

(الف) جو پڑھنے والے کو پڑھتے رہنے پر مجبور کرے (ب) جو پڑھتے پڑھتے روک دے

(ج) مشکل کہانی ہو (د) جرم پر مبنی کہانی

9. سمری لیڈ ان سے کیسی ہوتی ہے؟

(الف) کہانی کی اہم باتیں (ب) کسی کی اہم بات (ج) سیاسی پہلو (د) انسانی حقوق پر مبنی کہانی

10. سوفٹ نیوز کیا ہے؟

(الف) کسی کی کہی ہوئی بات پر مبنی نیوز (ب) مشوروں پر مبنی کہانی (ج) دلچسپ کہانی (د) مشہور کہانی

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Writing Workshop (MAS)
Course Code: ENG-223/MAS-22453 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SHORT QUESTIONS

Q.2. Every question must be answered every answer carries 4 marks (5x4=20)

i. Define an inverted pyramid technique of News writing.
ii. Differentiate between an Article and a Feature.
iii. What's a format of a Talk Show?
iv. What are the types of a Feature?
v. What is a Press Release? Define its significance.

(5x4=20)

سوال نمبر2: درج ذیل سوالات کے مختصر جوابات دیں۔

i. انورٹڈ پائیر امڈ کی تعریف کریں۔
ii. آرٹیکل اور فیچر میں فرق بتائیں۔
iii. ٹاک شو کا فارمیٹ لکھیں۔
iv. فیچر کی اقسام لکھیں۔
v. پریس ریلیز کسے کہتے ہیں؟ خصوصیات بیان کریں۔

LONG QUESTION

Q.3. Every question must be answered. (3x10=30)

i. Write a letter to editor based on any recent issue.
ii. Write in details what is an Interview and define types of Interview.
iii. Write a Brief Essay on any of the following Social Issues.
- Women Empowerment.
- Child Abuse and Media.
- Political Polarization and Media.

(3x10=30)

سوال نمبر3: درج ذیل سوالات کے جوابات تحریر کریں۔

i. ایڈیٹر کے نام موجودہ صورتحال پر خط لکھیں۔
ii. انٹرویو کی تعریف کریں اور اقسام بیان کریں۔
iii. مندرجہ ذیل سماجی مسائل میں سے کسی ایک پر مضمون لکھیں۔
(الف) ویمن ایمپاورمنٹ
(ب) چائلڈ ابیوز اور میڈیا
(ج) سیاسی پولرائزیشن اور میڈیا

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Web Engineering
Course Code: IT-205 / IT-22405 Part – I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig. .....

Roll No. in Words. .....

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Cascading Style Sheets stands for _____.
   a. CASS
   b. CSTS
   c. CSS
   d. CSSH

2. If contents of a website does not change along with the user input then such a website is known as _____.
   a. Static Website
   b. Dynamic Website
   c. No such website exists
   d. None of these

3. On pressing OK button, prompt box returns _____ value.
   a. message written in text box
   b. null
   c. Both a and b
   d. Either a or b
   e. Neither a nor b

4. AJAX stands for _____.
   a. Asynchronous Java And XML
   b. Autonomous JavaScript And XML
   c. Asynchronous JavaScript And XML
   d. None of these

5. _____ function of a servlet will be called only 1 time in a life cycle of servlet.
   a. INIT
   b. Service
   c. Destroy
   d. Both a and b
   e. Both a and c
   f. Both b and c
   g. None of the above

P.T.O.

6. In N-Tier architecture, which layer is present at the bottom?
   a. Presentation / View Layer
   b. Business Logic Layer
   c. Data Access Layer
   d. None of these

7. How many layers are present in N-Tier Architecture?
   a. 1
   b. 3
   c. 5
   d. It can be any number

8. If we uses _____ method technique, then the data will be sent through the URL of the request.
   a. get
   b. post
   c. Both a and b
   d. Either a or b
   e. Neither a nor b

9. Sessions are stored on _____ side/s.
   a. Client
   b. Server
   c. Both a & b
   d. None of these

10. In a JSP page, all code other than service method is written in _____ tag.
   a. JSP Declaration
   b. JSP Srciptlet
   c. JSP Expression
   d. None of these

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Web Engineering
Course Code: IT-205 / IT-22405 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question # 2. **[2 x 10 = 20 Marks]**

Precisely write down the answers of the following questions.

1. What is the difference between WWW and internet?
2. What is meant by Send Redirection?
3. What is a difference between static and dynamic website?
4. Write down a life cycle of java servlets.
5. In CSS, how can we apply style to the components?
6. What does HTML and JSP stands for?
7. What is meant by Client-side scripting language?
8. What is meant by AJAX?
9. What are the components of a HTTTP Response?
10. What is the difference between N-Tier Architecture and MVC?

Question # 3. **[3 x 10 = 30 Marks]**

Briefly write down the answers of the following questions.

1.
   a. What are the advantages of cookies and session handling? Also explain that which technique is more preferable according to different scenarios. [5]
   b. Write down the differences between get and post methods for sending a request to server. [5]

2. Write a servlet class which will dynamically create an ordered list with name and capital city of the countries stored in the database.
   Table contains two columns (Country Name, Country Capital City).
   DB Name: Database
   Table name: Country(name(varChar(50)), capital_City(varChar(50)))

3. Write a JSP page, which will dynamically create a drop down list with all smartphones along with their company saved in data base.
   DB Name: Database
   Table name: Smartphone(model (varChar(15)), company(varChar(15)))

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: Zoology-IV (Physiology)
Course Code: ZOOL-203 / ZOL-22302 Part – I (Compulsory) Time: 15 Min. Marks: 10

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the correct choice. (1x10=10)

i. When a threshold stimulus is applied to a neuron. it becomes:
a) Polarized b) Hyperpolarized
c) Repolarized d) Depolarized

ii. Their number is directly related to the number of segments in the trunk and tail of a vertebrate
a) Sensory nerves b) Cranial nerves
c) Spinal nerves d) Ganglia

iii. These are the simplest vertebrate receptors:
a) Georeceptors b) Proprioceptors
c) Phonoreceptors d) Thermoreceptors

iv. The long. coiled. sensory structure of the mammalian inner ear that contains receptors for sound:
a) Cochlea b) Semicircular canal
c) Tympanum d) External auditory meatus

v. In polychaetes, the hormone that inhibits the gonads and stimulates growth and regeneration:
a) Molt inhibiting hormone b) Gonadotrophin
c) Juvenile hormone d) Ecdysone

vi. The hormone that mobilizes glucose. increases heart rate and oxygen consumption:
a) Parathyroid hormone b) Thyroxin
c) Epinephrine d) Calcitonin

vii. In mammals, the hormone that initiates anti-inflammatory and antiallergic actions
a) Cortisol b) Epinephrine
c) Aldosterone d) Glucagon

viii. The respiratory pigment that contains metallic copper and has a bluish color when oxygenated:
a) Hemoglobin b) Hemocynain
c) Hemerythrin d) Chlorocruorin

ix. The cellular components that contain RNA and protein
a) Mitochondria b) Vacuoles
c) Ribosomes d) Vesicles

x. The structures that contain enzymes called acid hydrolases
a) Ribosomes b) Peroxisomes
c) Mitochondria d) Lysosomes

UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Roll No. .....

Paper: Zoology-IV (Physiology)
Course Code: ZOOL-203 / ZOL-22302 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDE

Q.2. Shortly answer the following questions. (2x10=20)

i. Give the location and role of pineal gland.
ii. Describe the endocrine system of molluscs
iii. What do you know about hearing and equilibrium in water?
iv. Describe the endocrine system of annelids.
v. Compare the structure and function of mitochondria and chloroplast.
vi. Discuss the structure and function of lysosomes.
vii. Discuss the gas exchange portion of human respiratory system.
viii. Briefly describe hemoglobin as a respiratory pigment.
ix. Compare continuous versus discontinuous feeders.
x. Describe, briefly. the role of small intestine in digestion.

Q.3. Briefly answer the following questions. All questions carry equal marks. (10x3=30)

I. Give an account of the structure and function of Cytoskeleton.
ii. Give a brief account of the mechanism involved in changing the resting membrane potential across the plasma membrane into the action potential.
iii. Compare the structure and function of vertebrate blood vessels.