Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Subject: Pharmaceutics-II (Dosage Forms Science) (New Course)

Paper: 1 Part - I (Compulsory)

Time: 30 Min. Marks: 20

Roll No. in Fig.

Roll No. in Words.

This Paper will be collected back after expiry of time limit mentioned above, then Subjective paper shall be attempted. Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Q.1. Encircle the correct option.	(20x1=20)
	080000 4 NOOT
The rate of solution may be increased by Decreasing the particle size of solute	
B. Decreasing the temperature of solvent	
C. Increasing the concentration of solute	
D. Increasing the concentration of solvent	
2. Glycerin, benzoic acid, sodium benzoate, methyl paraben, or alcohol in the formulat	tion are examples of
A. Solvents	The company of the second
B. Buffering Agents	
C. Preservatives	
D. Stabilizers	STEELERING CONTROL
 is used to make required bulk of the tablet when the drug dosage 	itself is inadequate to
produce the bulk.	
A. Diluent	
B. Lubricant	
C. Disintegrant	
D. Binder	nimal to make a stable
4. The difference between the internal and external phases should be mis	minal to make a state
emulsion.	
A. Density	
B. Viscosity	
C. Particle size	
 Solubility Which of the following is TRUE to make 5 % (w/v) solution of dextrose (Mol. Wt. 	180.16 g/mol)
Isotonic solutions have same	
A. 180.16 gram of dextrose in 100 ml water	
B. 5 gram of dextrose in 100 ml water (q/s)	
C. 5 gram of dextrose in 95 ml water	
D. 900.8 gram of dextrose in 100 ml water (q/s)	
6. A tincture or fluidextract, is an example of:	
A. Hydroalcoholic Vehicle	
B. Medicated Liquid	
C. Preservative	
D. Organic Mixture	
 For dosage form preparation, Excipients are selected to alter/enhance the following EXCEPT. 	properties of drug
A. Stability	
B. Bioavailability	
C. Pharmacological action	
D Palatability	Commence of the Commence of th
8. Alcohol, glycerin, propylene glycol, and other hygroscopic liquids are employed as	s — when an
aqueous vehicle is to be used as the dispersion phase.	
A. Solvents	
B. Flocculating agents	
C. Anti-flocculating agents	
D. Wetting agents	
9. Which ingredient has the effect of laxative in Glycerogelatin suppositories?	
A. Glycerol	
B. Gelatin	
C. PEG	
D. Codeine	les (the suspensoid)
10. Suspensions may be defined as preparations containing finely divided drug partic	the free sushements)
distributed somewhat uniformly throughout a venicle in which the drug extribute	
A. Maximum degree of Affinity C. Minimum degree of actions	
B. Minimum degree of resistance D. Minimum degree of stability	

	Because of the nature of the active constituents or the solvents, many topical solutions and tinctures
are	
	Very potent
	Self-preserved
	Toxic in nature
	Therapeutically active
mu	Hydrogen peroxide solution is categorized as a local ————————————————————————————————————
	Astringent
	Anesthetic
100	Anti-infective
	Antipruritic
	If PEG suppositories don't contain at least of water they can cause irritation to mucous membrane
	er insertion
	10 %
	20 %
	30 %
32.0	40 %
	Displacement value is calculated b/cof the medicament may vary considerably from the base
	Mol. weight
	Mass
	Specific gravity
D.	Density
15.	Magmas and gels are ————
	Course solutions
	Coarse dispersions
	Colloidal dispersions
D.	Fine dispersions
16.	Non aqueous vehicles are used to prevent
A.	Polymeriztion
В.	Oxidation
C.	Hydrolysis
D.	Isomerization
17.	- is a clear or slightly opalescent viscous liquid prepared by dissolving pyroxylin (4% w/v)
	a 3:1 mixture of ether and alcohol.
	Cataplasm
B.	Collodion
C.	Poultice
D.	Elixir
	Which statement is incorrect?
A.	Applied electric current is used to facilitate drug diffusion through the skin in Sonophoresis
B.	The low-frequency ultrasound is used to facilitate drug diffusion through the skin in Phonophoresis
C.	Generally the skin is the rate-controlling membrane for drug diffusion in Transdermal Matrix Patch
D.	Transdermal Membrane Patch contains a drug reservoir entrapped between backing and adhesive layers and a drug diffusion controlling membrane.
19.	What is the percentage of gelatin in Glycerogelatin suppositories?
A.	70%
В,	14%
C.	16%
	20%
20.	Electrolytes can act as in a suspension.
A.	Buffers
	Flocculating agents
	Stabilizers
D.	Antioxidants

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Subject: Pharmaceutics-II (Dosage Forms Science) (New Course)

Paper: 1 Part - II

d) Water for injection USP

Time: 2 Hrs. 30 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q. 2. (a) Define Suspensions and what are different reasons for preparation of Suspensions? (b) Define Gels, discuss composition, types and preparation of Gels?	(10) (10)
Q. 3. (a) Define aerosol preparations. Give a brief description of aerosol components. (b) What are ophthalmic preparations? Give a brief description of formulation requirements	(10)
for ophthalmic preparations.	(10)
Q.4. (a) Define syrups with examples, what are official syrups, Discuss its methods of preparation	
advantages and disadvantages.	(10)
(b) Discuss in detail characteristics of cocoa butter and its crystalline forms. How it's unstable	
crystalline forms can be prevented.	(10)
Q.5. (a) what is difference between Creams and Ointments?	(10)
(b) Describe Liniments, their types, uses and labelling instructions for them.	(10)
Q.6.(a) Define galenical preparations and give their importance in pharmacy. Differentiate between	en
infusion and decoction.	(10)
 (b) Calculate the amount of 95 % alcohol (ethanol) require preparing 400ml of 45% alcohol. (c) How many grams of sodium chloride should be used in compounding the following 	
prescription?	(05)
R/x Pilocarpine nitrate 0.3 g	47-73
Sodium chloride q.s.	
Purified water 30 ml	
Make isoton, Sol.	
Sig. for the eye	
Q.7. Write notes on the followings.	(05 Each)
a) Uses of Alcohol, USP in pharmaceutical preparations	
b) Advantages and disadvantages of Transdermal Drug Delivery Systems	
c) Oral Rehydration Solution (ORS)	

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No. in Words.

Roll No. in Fig.

Subject: Pharmacology & Therapeutics-I (New Course)

Paper: 2

B) Intradermal

Part - I (Compulsory)

Time: 30 Min. Marks: 20

This Paper will be collected back after expiry of time limit mentioned above, then Subjective paper shall be attempted. \Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

1. Which of the following drugs is suggested f	ng and overwriting is not allowed. (20x1=20 for the treatment of enlarged prostate and
does not affect blood pressure?	
A) Prazosin	C) Tamsulosin
B) Phentolamine	D) Terazosin
2. All of the following are cardioselective beta	a-B1 Blockers, Except:
A) Nebivoloi	C) Esmolol
B) Propranolol	D) Metoprolol
3. Atropine blocks musearinic activity in the	eye resulting in:
A) Mydriasis	C) Miosis
B) Cycloplegia	D) Both A and B
4. Non-Depolarizing competitive action can b	
A) Adrenaline	C) Neostigmine
B) Acetylcholine	D) None of Above
5. Ipratropium and tietropium are:	P/11029 51112111
A) Primary derivatives of atropine	C) Quaternary derivatives of atropine
B) Secondary derivatives of atropine	D) Tertiary derivatives of atropine
맛요즘 하다 그는 아이에 어느로 되어 그 일 때가 되었다면 하지 않는 것이다.	vely by releasing noradrenaline from the nerve
endings is:	
A) Ephedrine	C) Dopamine
B) Isoprenaline	D) Tyramine
7. The science which deals with the study of	
A) Physiology	C) Pharmacology
B) Pathology	D) Microbiology
8. The study of mechanism of action of drug	and pharmacological effects on human body is:
A) Pesology	C) Pharmacokinetics
B) Oncology	D) Pharmacodynamics
9. Drugs are excreted from the body through	which of the following route?
A) Kidney & Intestine	C) Breast Milk & Bile
B) Sweat & Saliva	D) All of the above
10. Nitroglycerine is administered by which	route?
A) Sublingual	C) Inhalation
B) Parenteral	· D) Oral
11. Which of the following route is used for pe	enicillin test dose?
A) Intravenous	C) Subentaneous

D) Oral

12. Which of the following is main disadvantage of Pa	renteral route of administration?
A) Slow Absorption	C) Delayed Elimination
B) Delayed Onset of Action	D) Risk of Hypersensitivity
13. The condition in which rapid decrease in response	
short time period of time is:	
A) Tolerance	C) Habituation
B) Tachyphylaxis	D) Addiction
14. ECse is used to determine:	
A) Potency of a drug	C) Affinity of a drug
B) Efficacy of a drug	D) Safety of a drug
15. As an Antiepileptic drug, Phenytoin is most similar drugs?	r in action to which of the following
A) Digoxin	C) Lidocaine
B) Propafenone	D) Sotalol
16. How does Clonidine, An Antihypertensive drug, W	/ork?
A) Blocks Alpha 1 Adrenergic Receptors	C) Increases heart rate due to stimulation of SA Node
B) Stimulates Alpha 2 Adrenergic Receptors in brain	
17. Phentolamine is a (an):	
A) Alpha 1 adrenergic antagonist	C) Alpha 1 & 2 adrenergie antagonist
B) Beta 2 adrenergic antagonist	D) Beta 1 & 2 adrenergic antagonist
18. The following drug(s), when combined with ACE i problems EXCEPT:	inhibitors, may produce troublesome
A) Theophylline	C) Spironolactone
B) Potassium supplements	D) Lithium
19. Which of the following calcium channel blockers is feces?	s excreted predominantly in the
A) Nifedipine	C) Diltiazem
B) Felodipine	D) Nimodipine
20. Which of the following increases the risk of digoxi	
A) Hyperkalemia	
B) Hypercalcemia	1 × 1
C) Hypermagnesemia	10000
D) Hyperuricemia	
1 To Table	



Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No.

Subject: Pharmacology & Therapeutics-I (New Course)

Paper: 2 Part - II

Time: 2 Hrs. 30 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2.	a: Classify Beta receptor Blockers. Discuss the mechanism of action, therapeutic uses and adverse effects of PROPRANOLOL.	(10)
	b: Explain Diuretics with special emphasis on Loop Diuretics.	(10)
Q.3.	a: Describe synthesis, storage and release of Acetylcholine. Discuss the types of Cholinesterases (ChE).	(10)
	b: What is Diabetes mellitus? Classify oral hypoglycemic drugs.	(10)
Q.4.	a: Explain Anti-Ulcer drugs. Discuss the Pharmacology of Cimetidine. b: Write a detailed note on Bioavailability and factors affecting the Bioavailability of	(10)
	drugs.	(10)
Q.5.	What is Heart Failure? Explain the major signs & symptoms of heart failure. Discuss various drugs used in the treatment of heart failure.	(20)
Q.6.	Explain Hyperlipidemia. Discuss the role of Lipoproteins. Explain in detail various classes of Anti-Hyperlipidemics.	(20)
Q.7.	Give classification of drugs used for the treatment of Bronchial Asthma. Discuss the mechanism of action and toxicity of Aminophylline.	(20)

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Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No. in Words.

Roll No. in Fig.

Subject: Pharmacognosy-I (Basic) (New Course)

b. Development of new crop

Paper: 3

Part - I (Compulsory)

Time: 30 Min. Marks: 20

This Paper will be collected back after expiry of time limit mentioned above, then Subjective paper shall be attempted. Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

1.	are the basic nitro	genous compound	is of natural origin which	
	have some definite pharmacoglogical /	physiological acti	vity.	
	a. Glycosides	C.	Balsams	
	b. Tannins	27.7	Alkaloids	
2.	Plants are said to be	when they gro	w in a foreign land or in a	
	locality other than their native homes.			
	a. Indigenous	- c.	Cultivated	
	b. Naturalized	1.77	Hannonized	
3.	Natural drugs have following set of five			
	a. Plants, animals, microorganisms, m	inerals and synth	etic/semic synthetic drgus	
	having pharmacophore in nature b. Plants, animals, bacteria, minerals a	and samthatic/com	is combatic drove having	
	pharmacophore in nature	and symmetre/sem	ic syndicise digus naving	
	c. Plants, animals, microorganisms, m	inerals and marin	e	
	d. Plants, animals, microorganisms, m			
4	Nicotiana tabaccum leaves are used as,			
***	a. Fungicide		Insectides	
	b. Herbicide		Rodenticide	
5.	Derris elliptica contains which of the i	following compou	inds which acts as inseaticide	
	and fish posion.			
	a. Pyrethrin	c.	Scilliroside	
	b. Rotenone	d.	Strychnine	
6.	Norbormide causes		ACCEPTAGE OF THE PROPERTY OF T	
	a. Kidney failure	c.	Respiratory failure	
	b. Heart failure	d.	Neurotoxicity	
7.	Warfarin toxic dose is			
	 a. Img/kg of the body weight 	c.	0.5mg/kg of the bodyweight	
	 50mg/kg of the body weight 	d.	.005mg/kg of the body weight	
8.			585 285 attick to	
	 a. In-organophosphorus derivatives 	c.	Inorganic Sulphur compounds	
	 Non-chlorinated hydrocarbon 	d.	Organic Sulphur compounds	
9.	Citronella oil is used as			
	a. Repellent	c.	Cardioactive agent	
	b. CNS stimulant	d	neurotoxic	
10.	Interfering with the life cycle and food sup	oply of the pest is t	hemethod of pest	
	control			
	s. Mechanical	c.	Agricultural	
	b. Chemical	d	Environmental	
11.	Agricultural method of pest control include	es		
	a. Crop rotation		Chemical sprays	

d. Hand picking

	catalyze interconversion of	optic geomet	tric or positional isomers
2	catalyze interconverses	C.	Lyases
a.	Ligases		Hydrolases
b.	Isomerases		1 00 M (
13. Whi	Isomerases ch one of the following is organized crude dru	c.	Aloe
1,5,711	Gums	d.	Ginger
b.	Resins		3 to 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
4	are tissues in a woody stem	C.	Leaves
	Bark	-	Flowers
b.	Underground structures		1 loners
5. Synt	hetic plant hormones are also known as	0.	Exogenous plant hormone
a.	Native hormones		Stress generated hormones
b.	Endogenous plant growth regulators	arts such as	a leaf, fruit, flower or seed
	ess by which a plant drops one or more of its p	(L. 10) 23011 0-	Dormancy
a.	Abscission		
b	Ripening is a thread which is used to	u. estitch topet	her the edges of various tissues
17	is a thread which is used in) Street to Be.	
wit	h the help of needle i.e. skin, muscle		Surgical dressing
8	Ligature		cotton fibers
). Suture		
18. W	hich one of the following plants belongs to Lab		Beliadonna
	a. Gartic	107	. Thyme
1	b. Rauwolfia		
19. Sa	b. Rauwolfia Ivia officinalis is also known as	as its	. Plant of thorns
	a. Garden sage		. Plant of fragrance
	b. Graveyard plant	•	2. Plant of magames
	tropa belladonna contains	-	c. L-Hyoscyamine
	a. Atropengine		
	b. Atropogenine	5)	d. Hyocsyangenine



Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No. .

Subject: Pharmacognosy-I (Basic) (New Course)

Paper: 3 Part - II

Time: 2 Hrs. 30 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q 2. Discuss four medicinal plants of leguminosae	20
Q 3. a. Define allergen and discuss mechanism of immediate allergic reaction.	10
 b. Discuss different method of treatment of allergy. 	10
Q 4. What are phyto-enzymes? Explain any three phyto-enzymes in detail.	20
Q. 5 a. Define crude drug adulteration? Discuss different types of adulteration.	10
b. Give the details about the drying of crude drugs while preparing them for commercial market?	10
Q. 6 What are plant growth regulators? Explain in detail Auxins and Jibberellins.	20
O. 7 What are pest and pesticides? Discuss in detail Different methods of pest control	20

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No. in Words.

Roll No. in Fig.

Subject: Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)

Paper: 4 Part - I (Compulsory) (New Course)

Time: 30 Min. Marks: 20

This Paper will be collected back after expiry of time limit mentioned above, then Subjective paper shall be attempted. \Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (20x1=20)

- 1- In dry heat sterilization ----- damage occur to the microbes
 - a) Oxidative
 - b) Reductive
 - c) Hydrolytic
 - d) Nuclear damage
- 2. Which of the following is true for the internal surfaces, floor and fittings of aseptic area?
 - a) Internal fittings should be minimum
 - b) False Ceilings should be adequately sealed
 - c) Equipment must be designed so as can be cleaned and sterilized easily
 - d) All of these
- Sutures, ointments and syringes are usually sterilized by
 - a) Dry heat
 - b) Moist heat
 - c) Radiation
 - d) Gaseous method
- 4- If the Dilution ratio for Test Disinfectant is 1:500 and that of Phenol is 1:105 then?
 - a) Test disinfectant has equal power to phenol
 - b) Phenol is more powerful than Test disinfectant
 - c) Test disinfectant is more powerful than phenol
 - d) Test Disinfectant is poor at controlling germs
- 5- In sterilization, D-value represents the
 - a) Temperature at which 90% of viable cells are killed
 - b) Increase in temperature at which 90% of viable cells are killed
 - c) Time taken to kill 90% of viable cells
 - d) Radiation exposure to kill 90% of viable cells
- 6- Eukaryotic cells have following cell organelles EXCEPT:
 - a) Chloroplast
 - b) Mitochondria
 - c) Plasmid
 - d) Rough endoplasmic reticulum
- 7- are the filamentous bacteria having the resemblance to the radiating rays of sun.
 - a) Spirochetes
 - b) Sarcina
 - c) Treponema
 - d) Actinomycetes
- 8- are principal sites of respiratory enzymes in bacteria and are analogous to the mitochondria of enkaryotes.
 - a) Lysosome
 - b) Slime layers
 - c) Mesosomes
 - d) Rough endoplasmic reticulum
- 9- Warning signs of dengue fever are:
 - a) Worsening of abdominal pain
 - b) High hematocrit
 - c) Low platelets count
 - d) All of the above
- 10- Salmonella typhi has ---- flagellar arrangement.
 - a) Amphitrichous
 - b) Monotrichous
 - c) Peritrichous
 - d) Lophotrichous

11-	Widal to	est is the diagnostic test of:
	a)	Tuberculosis
	b)	Pneumonia
	c)	Typhoid
	d)	
12-		cientist first disproved Spontaneous generation theory
		Francesco Redi
		Louis Pasteur
		Robert Hooke
	d)	
13-		name for non-specific immunity is
		Specific immunity
		Explicit immunity
		Auto immunity
		Innate immunity
14-		ty acquired after an infection is
••		Active Immunity
		Passive Immunity
		Innate Immunity
		CONTROL OF THE CONTRO
		Both B And C
15-		- proposed the first vaccine to prevent people from getting cow pox.
		Edward-Jenner
	7.5	Robert Koch
	c)	
212		Fleming
16-		row better in pH
		About 5
		About 7
		About 10
		About 2
17-	Antibod	lies that protects the fetus and new born is
	a)	Ig M
	b)	Ig D
	c)	lg G
	d)	lg A
18-	Rejectio	on of transplanted tissue is an example of hypersensitivity of
		Type-I
	b)	4.0
	0)	Type-III
		Type-IV
19-		lies are produced by
	a)	B lymphocytes
	b)	T lymphocytes
	c)	Macrophages
	- d)	10 (2.17 C.17 J. C. C. T. C.)
20.		al DNA replicates in
-	a)	Cytoplasm
	b)	
	c)	
	d)	

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

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Subject: Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)

Time: 2 Hrs. 30 Min. Marks: 80

PAPER: 4 Part - II (New Course)

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q-2	De	Define Hypersensitivity and discuss its types in detail.					
Q-3	a) Define Immunization and its types.						
	 b) Define Vaccine and discuss its various types in detail. 						
Q-4	a)	a) Differentiate between sterilization and disinfection, describe moist heat sterilization in detail?					
	b)	Define nosocomial infection. How such infections can be prevented in the hospitals?	(10)				
Q-5	a)	Briefly discuss the types, pathogenesis, diagnosis, and prophylaxis of Tuberculosis.	(15)				
	b)	Discuss the Critical and Recovery phases of Dengue fever.	(05)				
Q-6	 a) Briefly discuss the structure and function of bacterial Cell wall, Mesosomes and Flagella in detail. 						
	b)	Discuss classification of bacteria based on Flagella?	(05)				
	c)	Write a note on Fermentation?	(05)				
Q-7	Write brief answers of the following:						
		 Classification of clean room 	(20)				
		ii. D-value and Z-value					
		iii. Routes of transmission of nosocomial infections					
		iv. Phenol coefficient test for disinfectants					

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Roll No. ..

Subject: Pakistan Studies and Islamiyat / Ethics (Comp.)

Paper: 5 (Old & New Course)

Time: 3 Hrs. Marks: 100

USE SEPARATE ANSWER BOOK FOR EACH PART (PAPER)

Paper A - Pakistan Studies

For this portion Time Allowed is 1 Hr. and Max. Marks 40. Attempt any TWO questions. All questions carry equal marks.

تون بوئی سے دوسوال حسل کریں۔سب کے تمب ربرابر ہیں۔

Q1: Discuss Congress Ministries (1937-1939) policies against Muslims of India?

سوال فيرار كام كى درار تى 1937 تا 1939 شى صلمانون كى قلاف موت والى يالىسىدى كى دشا حد كريد

Q2: What are the main cause of overpopulation in Pakistan?

سوال فبر 2- إكستان في آبادى كى أكرعت كى وجوبات مان كرير-

Q3: What was the role of Muslim League towards the making of Pakistan, its formation causes?

سوال فبرد_ باكتان ك قيام شمسلم ليك كاكروار بيان كريد اوراس كاوجوبات وال كريد-

Q4: Write SHORT ANSWERS to the following:

i. There had been 2 deputy prime minister of Pakistan? Name them?

ii.Under which plan India was partitioned?

iii. Who was Lord Mountbatten?

iv.Mention the years of 3 Constitution?

v. When Jinnah had joined Muslim league?

vi. Who gave Jinnah the title of Quaid e Azam in written form?

vii.What 2 amendment was made in 23 March 1940?

viii.Who was the president when Pervaiz Musharraf came to power?

ix. Who presented first constitution?

x.When India was partitioned into two individual state?

Paper B - Islamiyat

For this portion Time Allowed is 2 Hrs. and Max. Marks 60. Attempt the following questions. Q. No. 5 is compulsory.

موال نمبر1: درج و بل قرآن آیات میں سے دو کا ترجمہ و تھر ی کریں۔

Q.1. Translate and explain any two following Quranic Verses.

(الف) النَّبِيُّ أَوْلَى بِالْمُؤْمِنِينَ مِنْ الْفُسِهِمْ وَأَزْوَاجُهُ أَمْهُمُهُم (ب) لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أَسْوَةً حَسَنَةً.

(٤)لِلَّهِ مَا فِي السَّمُوٰتِ وَمَا فِي الأَرْضِ وَإِنْ تُعَدُّواْ مَا فِيَّ ٱلْفُسِكُمْ أَوْ تُحْفُوهُ يُحَاسِبْكُمْ بِهِ اللَّهُ

موال فمر2:درج می سے کی ایک صدیث کا ترجمہ و تفر ت کریں۔

Q2. Translate and explain any one of the following Hadith.

(الف) لا فضل لعربيّ على عجميّ ، ولا لعجميّ على عربيّ ، ولا لأبيضَ على أسودٌ ، ولا لأسودُ على أبيضَ ، إلا بالتّقوى

(ب) عَنِ النَّبِيِّ صلى الله عليه وآله وسلم، قَالَ: خَيْرَكُم مَنْ تَعَلَّمَ الْقُرْآنَ وَعَلَّمَهُ

سوال نمبر 3: درج ذیل می سمی ایک پر نوث تکعیں۔

Q3: Write a note any one of the following

يا يثاق ميد كابم لكات

مطالع ميرت كي ععرى ابيت

Contemporary importance of Secrah study

OR Features of the treaty of Medina

سوال نمبر 4: درن ويل يس محالك ير نوث تكسيس

Q4: Write a note any one of the following

خطبه جية الوداع ادرينيادى انساني حقوق

مغرب تبذيب كے اثرات

Write the impacts of western civilization OR Last sermon of the Holy Prophet and Basic Human Rights

O5: Give answers for the following Question

موال فمرر: درن ذیل ش سے بانے کے مختر جوابات دیں۔

Write the definition of Hadith Tagriri?

(الف)صریث تغریری کی تعریف تکسیں۔

ii. Write the definition of Holy Quran?

(ب) قرآن کی تعریف تعیس؟

iii. Where did the descent the first revelation?

(ج) کیلوی کہاں نازل ہو کی؟

iv. Explain briefly "انما الاعمال بالنياث

(د) "انما الاعمال بالنياث "كاوضاحت كرير

v. Write two name of books from Sahah e Sitta?

(م) سحاح عى دوكمايون ك نام تعيس؟

Ethics (for non Muslim Candidates)

Note: Please Attempt any THREE questions. All questions carry equal marks. (60)

- Q 1: Define the Ethics. And explain the problems and Scope of ethics.
- Q2: Define the Good and evil in ethics?
- Q3: Highlight the need and value of responsibility in ethics?

Q5: Critically examine the reformative theories of punishment.

Q4: Write the importance of family, educational institutes and religious places in promotion of moral values?

Page 2of 2

Roll No. in Words.

Roll No. in Fig.

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

Subject: Pharmacy Practice-I

(Pharmaceutical Mathematics and Biostatistics)

Paper: 6 Part - I (Compulsory)

(New Course)

Time: 30 Min. Marks: 20

Signature of Supdt.:

This Paper will be collected back after expiry of time limit mentioned above, then Subjective paper shall be attempted.

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Encircle the right answer cutting and overwriting is not allowed. (2 A type – I error is committed when a a) False H ₀ is accepted b) True H ₀ is rejected c) True H _A is rejected d) False H _A is accepted Another term for Type – II error is a) β error a) α error b) D error c) γ error If Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
 a) False H₀ is acepted b) True H_A is rejected c) False H_A is accepted Another term for Type – II error is β error b) D error c) γ error ft Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1 	20x1=20)
 b) True H_a is rejected c) True H_A is rejected d) False H_A is accepted Another term for Type – II error is a) β error b) D error c) γ error ff Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1 	
 c) True H_A is rejected d) False H_A is accepted Another term for Type – II error is a) β error b) α error c) γ error ff Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1 	
d) False H _A is accepted Another term for Type – II error is β error b) α error c) γ error if Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
Another term for Type – If error is a) \(\beta \) error b) \(\alpha \) error c) \(\gamma \) error if Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
a) \$\textit{\alpha} \text{ error}\$ b) Derror c) \text{\gamma} \text{error}\$ if Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
b) a error c) y error d) y error f Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
b) D error c) \(\gamma\) error d) \(\gamma\) error if Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
a) 7 error If Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
If Sample size is 20 in T-Test then its degree of freedom is a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
a) 18 b) 19 c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
c) 20 d) 21 A coin is Tossed then possible outcome is a) 1	
d) 21 A coin is Tossed then possible outcome is a) 1	
A coin is Tossed then possible outcome is	
b) 2 c) 3	
4.4	
If the curve skewed to in right direction the distribution is said to be	
a) Positive b) Negative	
c) Zero	
d) Infinity	
T - distribution in asymptotic to	
a) y — axis b) x — axis	
c) z – axis	
d) Both s & b	
For small sample size we use a) x² - Test	
b) F-Test	
c) T-Test	
d) z - Test To test the goodness of fit, we apply	
a) z-Test	
b) T-Test	
c) F-Test d) x ² -Test	
The Chi - Square validity when	
a) n > 50	
b) n < 50 c) n > 10	
0 -410	
When both variable move in same direction the correlation is said to be	
a) zero b) negative	
c) positive	
d) None	
LSD Teet apply when	
a) H ₀ is false	
b) H _A is false	
c) H _A istrue	
d) Hoistrue	
To test several population means, we apply	
a) F-Test	

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The Solution set of the equation 2^{s+3} + 2^{2-s} - 33 = 0 is
                         {2,3}
                         {3,-2}
                b)
                         \{2, -3\}
                         \{-2, -3\}
 xiv.
             The general term a_n A.P. having a_1 = 2, d = -3 is
                 a) -2+3n
                 b) 5-3n
                 c) 5+3n
                 d) -1-3n
             The number of triangles that can be formed by joining the vertices of 5 sided polygon is
 XV.
                a) 15
a) 3
b) 5
d) 10
                 converted into degrees is
                 a) 135°
                 b) 105°
                 c) 150°
                 d) 120°
             The distance between the points P(-2,3) and Q(4,-5) is
xvii.
                 a) 66
b) 64
c) 10
d) 50
             The equation of directrix of the proabole y^2 = 4\alpha x is
xviii.
                 a) x = -a
                     y = -a
                 b)
                     x = a
                 c)
                 d) y=a
 xix.
             The derivative of \frac{1}{3x^3} w.r.t. x is
             oot xdx is
                 a) cosecx+c
                 b) \cos ec^2x + c
                 c) ln cos x+c
                 d) lnsinx+c
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8

UNIVERSITY OF THE PUNJAB

Doctor of Pharmacy (Pharm.D.) 2nd Prof: Annual Exam-2022

i	Roll	No						Ì			
٠	Non	140.	•••	••	••	**	**	••	**	••	

Subject: Pharmacy Practice-I (Pharmaceutical Mathematics and Biostatistics)
Paper: 6 Part – II (New Course)

Time: 2 Hrs. 30 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Note:

Attempt FIVE questions in all, selecting THREE questions from Section – I and TWO questions from Section – II. Use of Scientific Calculators and Statistical Tables are allowed. Graph paper may be supplied on demand.

SECTION - I Q.2.a) Define the following: (06)Biostatistics. Descriptive Statistics. Inferential Statistics. b) Eight year old girl is presented to emergency department with complaints of severe pain (10) abdomen, fever and three episodes of vomiting for last six hours. On examination weight of girl was 18 kg, height 116 cm, fair skin, blue iris brown hairs and temperature 102 F. Categorize the following variables of the girl into nominal and ordinal; discrete and continuous. Age, sex, weight, height, temperature, sever pain, fair skin,, iris color, vomiting episodes, hair color. Q.3. a) Describe the principle of least secures. (06)b) Fit a second degree pavabola to the following data (x as independent variable) 1. (10) 1.8, 1.3, 2.5. Q.4. Write down the application of chi-square distribution. a) (06)Two tonic preparation were given trial for preventation of a disease in children. b) Tonic A was given to 90 children & prevented the disease in 68. At the same time (10)Tonic B was given to 86 children and prevented the disease in 72. Which Tonic is better? Q.5. a) Write down the six properties of Normal distribution. (06)A nurse supervisors has found that staff nurses, on the average, complete a b) certain table in 10 minutes. If the time required to complete the table are (10)approximately normal distributed with a standard deviation of 3 minutes find. The proportion of nurse required more then 5 minutes to complete the task. I) ii) The probability that a nurse who has just assigned the task will complete it within 3 minutes. When you can use ANOVA and also discuss Multiple comparison Test. Q.6. a) (06) b) In a Randomized complete Block Design there are three treatments and three blocks. The calculations are given (10)Total sum of square = 158. Between treatment sum of square = 126 Between Block sum of square = 24.7 Carry out analysis of variance Table and interpret the result at five percent level

of significance.

SECTION - II

- Q.7. a) Solve the equation (05) $\frac{3}{x+1} + \frac{4}{x+2} = 2$
 - b) Insert two geometric means between 2 and 16. (05)
 - c) Using binomial theorem expand $\left(2x \frac{y}{x}\right)^3$ (06)
- Q.8. a) if $\cos \theta = \frac{12}{13}$ and the terminal side of the angle is not in quadrant I, find the value of (05) $\sin \theta$ and $\tan \theta$
 - Find an equation of the perpendicular bisector of the segment joining the points A(-4,2) (05) and B(-2, +6).
 - c) Write the equation of ellipse that has its center at the origin, focus at (0,3) and major axis equal to 8.
- Q.9. a) Prove that $\lim_{x \to 0} \frac{1 \cos x}{\sin^2 x} = \frac{1}{2}$ (05)
 - b) Find f'(x) if $f(x) = \tan \sqrt{x} + (\ln x^3 8)$ (05)
 - c) Evaluate $\int \frac{x+2}{x-2} dx$ (06)