



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: I [International Trade Theory and Finance]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

Q.1 a. Draw the production possibility frontier under increasing cost. What is the reason for increasing opportunity costs? What does a community indifference curve depict? 15

b. Explain the basis for and gains from trade with increasing costs under equilibrium relative commodity prices and comparative advantage. 10

الف. تکثیری لاگت کے تحت ممکنہ پیداوار کا خط opportunity cost میں اضافہ کیوں ہوتا ہے؟ قومی خطوط عدم ترجیح سے کیا مراد ہے؟
ب. متقابلی اشیاء کا توازن اور تقابلی برتری کے تحت تکثیری لاگت میں تجارت سے ہونے والے فوائد بیان کریں۔

Q.2 a. What does Heckscher-Ohlin (H-O) model postulates? 10

b. Which force do H-O identify as the basic determinant of comparative advantage and trade? 15

الف. ہیکنر اوہلن (Heckscher – Ohlin) کے نظریے کا کیا دعویٰ ہے؟
ب. ہیکنر اوہلن (Heckscher – Ohlin) نظریے کے تقابلی برتری اور تجارت کو متعین کرنے والے عوامل کون سے ہیں؟

Q. 3 a. What is meant by production and/or consumption being protrade, antitrade, or neutral? What are the terms of trade effect and wealth effect of growth? 10

b. How can we measure the change in the welfare of the nation as a result of growth and trade when the nation is large? 15

الف. پیداوار یا کھپت کا پروٹریڈ، اینٹی ٹریڈ، یا غیر جانبدار کی مد میں کیا مطلب ہے؟ نیز ترقی کا تجارت کے توازن اور دولت پر کیا اثر ہوگا؟
ب. ایک بڑے ملک کی عاملین کی ترقی اور تجارت کی وجہ سے کسی ملک کی فلاح و بہبود میں تبدیلی کی پیمائش کیسے کی جا سکتی ہے؟

P.T.O.

- Q. 4 a. Indicate all the ways in which international trade could retard development. 10
b. Explain why the balance of payments of a small nation always improves with a devaluation or depreciation of its currency. 15

(الف) بین الاقوامی تجارت، ترقی کی راہ میں کیسے رکاوٹ ثابت ہوتی ہے۔ واضح کریں۔
(ب) چھوٹی قوموں کی ملکی کرنسی کی قدر میں کمی کیوں اور کس طرح "Balance of Payment" کو بہتر کرتی ہے؟

- Q. 5 a. Explain the Concept of J-Curve effect with the help of graph. 10
b. What are the factors that determine whether a trade diverting customs union leads to a net increase or decrease in the welfare of a member nation?

(الف) "J-Curve Concept" کو گراف کی مدد سے واضح کریں۔
(ب) کونسے عوامل یہ شمار کریں گے کہ "Trade Diverting Customs Union" کسی ممبر قوم کی مجموعی فلاح میں اضافے یا کمی کا باعث ہے۔

- Q. 6 What are the motives for the international migration of workers? What is the effect of labor migration on real wages, total output, and the relative share of national income going to labor in the nation of emigration and the nation of immigration? 25

مزدوروں کی نقل مکانی کے پیچھے کون سے محرکات (مقاصد) ہوتے ہیں؟ نیز مزدوروں کی نقل مکانی سے اصل اجرت، کل emigration اور immigration کے کیا اثرات مرتب ہوتے ہیں؟
پیداوار، اور ان سے جڑے قومی آمدنی کے حصے پر کسی قوم کی

- Q. 7 Write a short note on two of the following: 12.5+12.5

- a. Income Absorption Approach
b. Antidumping Duties
c. Managed Exchange Rate



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: II [Econometrics: Theory and Application]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

- 1 Explain the methodology of Econometrics by taking any example. 25
- 2 Suppose you are given the model: $Y_i = \beta_1 + u_i$. Use OLS to find the estimator of β_1 . What is its variance and the RSS? Does the estimated β_1 make intuitive sense? Now consider the two-variable model $Y_i = \beta_1 + \beta_2 X_i + u_i$. Is it worth adding X_i to the model? If not, why bother with regression analysis? 25
- 3 (i) Discuss how dummy variables can be used to test (a) change in intercept (b) change in slope and (c) changes in both intercept and slope. 15
(ii) Discuss the problem of heteroskedasticity and methods to remove it. 10
- 4 (i) Outline the major steps involved in the application of the Box–Jenkins approach to forecasting. 10
(ii) Consider the following model:
$$Y_i = \beta_1 + \beta_2 X_{2i} + \beta_3 X_{3i} + u_i$$

From the following data estimate the partial regression coefficients, their standard errors, and the adjusted and unadjusted R^2 values: 15
$$\bar{Y} = 367.693 \quad \bar{X}_2 = 402.760 \quad \bar{X}_3 = 8.0$$

$$\sum (Y_i - \bar{Y})^2 = 66042.269 \quad \sum (X_{2i} - \bar{X}_2)^2 = 84855.096$$

$$\sum (X_{3i} - \bar{X}_3)^2 = 280.000 \quad \sum (Y_i - \bar{Y})(X_{2i} - \bar{X}_2) = 74778.346$$

$$\sum (Y_i - \bar{Y})(X_{3i} - \bar{X}_3) = 4250.900 \quad \sum (X_{2i} - \bar{X}_2)(X_{3i} - \bar{X}_3) = 4796.000$$

$$n = 15$$
- 5 (i) In a regression of average wages (W , \$) on the number of employees (N) for a random sample of 30 firms, the following regression results were obtained*: 15
$$\hat{W} = 7.5 + 0.009N$$

$$t = \text{n.a.} \quad (16.10) \quad R^2 = 0.90 \quad (1)$$

$$\hat{W}/N = 0.008 + 7.8(1/N)$$

$$t = (14.43) \quad (76.58) \quad R^2 = 0.99 \quad (2)$$
 - a. How do you interpret the two regressions?
 - b. What is the author assuming in going from Eq. (1) to (2)? Was he worried about heteroscedasticity? How do you know?
 - c. Can you relate the slopes and intercepts of the two models?
 - d. Can you compare the R^2 values of the two models? Why or why not?

P.T.O.

- (ii) You are given the following data: 10
 RSS1 based on the first 30 observations = 55, df = 25
 RSS2 based on the last 30 observations = 140, df = 25
 Carry out the Goldfeld–Quandt test of heteroscedasticity at the 5 percent level of significance.
- 6 (i) What is meant by identification condition of a model? 10
- (ii) Consider the following modified Keynesian model of income determination: 15
- $$C_t = \beta_{10} + \beta_{11}Y_t + u_{1t}$$
- $$I_t = \beta_{20} + \beta_{21}Y_t + \beta_{22}Y_{t-1} + u_{2t}$$
- $$Y_t = C_t + I_t + G_t$$
- where C = consumption expenditure
 I = investment expenditure
 Y = income
 G = government expenditure
 G_t and Y_{t-1} are assumed predetermined
- a. Obtain the reduced-form equations and determine which of the preceding equations are identified (either just or over).
 b. Which method will you use to estimate the parameters of the over-identified equation and of the exactly identified equation? Justify your answer.
- 7 Write note on any TWO of the following: 25
- (i) Causes of coefficient variation
 (ii) Dummy variables trap
 (iii) Unit Roots and Co-integration



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: III [Development Economics Theory and Policy]

Roll No.

Time: 3 Hrs.

Marks: 100

Note: Attempt any FOUR questions. All questions carry equal marks.

Q.1. (a) Explain the emerging issues pertaining to LDC's. (15)

(b) Write a note on Human Development index (HDI) as a measurement of economic development. (10)

سوال نمبر ۱: (الف) کم ترقی یافتہ ممالک کے ابھرتے ہوئے مسائل کی وضاحت کریں۔

(ب) معاشی ترقی کی پیمائش کے لئے ”انسانی ترقی کا اشاریہ“ پر نوٹ لکھیں؟

Q.2. (a) Discuss the rural industrialization in Pakistan. (10)

(b) What is meant by Mechanized Farming? (5)

(c) Briefly explain the concept of demographic transition. (10)

سوال نمبر ۲: (الف) پاکستان میں دیہی صنعت کی ترقی پر بحث کریں۔

(ب) مشینی کاشت سے کیا مراد ہے؟

(ج) ڈیموگرافک تبدیلی کے نظریے کو مختصراً بیان کریں۔

Q.3. Foreign Direct Investment (FDI) plays positive and negative role in developing countries like Pakistan. Discuss in detail. (25)

سوال نمبر ۳: پاکستان جیسے ترقی پذیر ملک میں بیرونی براہ راست سرمایہ کاری مثبت اور منفی کردار ادا کرتی ہے۔ بحث کریں۔

P.T.O.

- Q.4. (a) Critically evaluate balance of payment deficit problem of developing countries. (15)
(b) Do trade liberalization and globalization go in favor of LDC's? Discuss (10)

سوال نمبر ۴: (الف) ترقی پذیر ممالک کے ادائیگیوں کے توازن میں خسارے کے مسئلے کا تنقیدی جائزہ لیں۔

(ب) کیا آزادانہ تجارت اور عالمگیریت کم ترقی یافتہ ممالک کے حق میں جاتی ہیں۔ بحث کریں۔

- Q.5. Explain Fei-Ranis model for the improvement of agriculture sector in less developed countries. Also explain its drawbacks. (25)

سوال نمبر ۵: کم ترقی یافتہ ممالک میں زرعی شعبے کو بہتر بنانے کے لئے (F.R.) ماڈل کی وضاحت کریں اور اس ماڈل کی خامیوں کی وضاحت کریں۔

- Q.6. (a) Explain the nature and impact of debt problem in LDC's. (15)

(b) Establish link between deforestation and macroeconomic environment.

سوال نمبر ۶: (الف) کم ترقی یافتہ ممالک میں "قرضہ کا مسئلہ" کی نوعیت اور اثرات کی وضاحت کریں۔

(ب) جنگلات کے خاتمے اور مجموعی معاشی ماحول میں تعلق کی وضاحت کریں۔

- Q.7. Write short notes on any two of the following:

- Harrod Domar Growth model
- Debt Laffer Curve
- Pros and Cons of Foreign Aid

سوال نمبر ۷: درج ذیل میں سے کسی دو پر نوٹ لکھیں۔

(الف) ہیرڈومر گروتھ ماڈل

(ب) خط لافر برائے قرضہ

(ج) غیر ملکی امداد کے فوائد اور نقصانات



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: IV (Research Methodology)

Roll No.

Time: 3 Hrs.

Marks: 50

NOTE: Answer any THREE questions. All questions carry equal marks.

نوٹ: کوئی سے تین سوالات حل کریں۔ تمام سوالات کے نمبر یکساں ہیں۔

- Q.1. (a) What is the difference between Empirical and theoretical research? (6)
 (b) Explain various techniques used in social sciences research and their limitations. (11)
 سوال نمبر ۱: (الف) Empirical اور Theoretical تحقیق میں فرق کو واضح کیجئے۔
 (ب) سماجی سائنسز کی تحقیق میں استعمال ہونے والی مختلف techniques اور ان کی limitations واضح کریں۔
- Q.2. Discuss in detail the organization of a research paper on any topic of your choice. (17)
 سوال نمبر ۲: اپنی پسند کے عنوان پر تحقیقی پرچے کی organization پر تفصیل سے بحث کریں۔
- Q.3. (a) What is meant by measurement and scaling in research? (7)
 (b) Elaborate various characteristics of sound measurement. (10)
 سوال نمبر ۳: (الف) تحقیق میں measurement اور scaling سے کیا مراد ہے؟
 (ب) sound measurement کی مختلف خصوصیات کی وضاحت کریں۔
- Q.4. What should be the format of a country research report? How it can be differentiated from a research paper? (17)
 سوال نمبر ۴: Country Research Paper کا format کیا ہونا چاہئے؟ یہ ایک تحقیقی پرچے سے کس طرح مختلف ہوتی ہے؟
- Q.5. Write a short note on any two of the following: (8½ + 8½)
 a) Questionnaire Development
 b) Elements of data analysis
 c) Methods of communication in survey
 سوال نمبر ۵: مندرجہ بالا میں سے کسی دو پر تفصیلی نوٹ لکھیں۔



NOTE: Attempt any FOUR questions. All questions carry equal marks.

Q1 (a) Given $\frac{ds}{dy} = 0.5 - 0.2Y^{-\frac{1}{2}}$. When income Y is 25 units, there is dissaving of 3.5 units. Find the saving function? [7.5, 7.5, 10]

(b) Evaluate: (i) $\int (x+3)(x+1)^{1/2} dx$ (ii) $\int_0^4 \left(\frac{1}{1+x} + 2x \right) dx$

(c) What is the Present Value of a perpetual cashflow of:

(i) \$1450 per year, discounted at $r = 5\%$

(ii) \$2460 per year, discounted at $r = 8\%$

Q2 (a) What is an integrating factor? State the four-step solution procedure to find an integrating factor. [10, 15]

(b) Verify that each of the following differential equations is exact, and solve by the four-step procedure:

(i) $2y t^3 dy + 3y^2 t^2 dt = 0$

(ii) $3y^2 t dy + (y^3 + 2t) dt = 0$

Q3 (a) Solow model examines equilibrium growth with full employment of both labour and capital. Explain. [10, 10, 5]

(b) Given $y''(t) + a_1 y'(t) + a_2 y(t) = b$

Find y_p when (i) $a_2 \neq 0$, (ii) $a_2 = 0, a_1 \neq 0$, (iii) $a_1 = a_2 = 0$.

Find y_c when (i) $a_1^2 > 4a_2$, (ii) $a_1^2 = 4a_2$, (iii) $a_1^2 < 4a_2$

(c) Determine whether the following equation is convergent without finding the characteristic roots. $y'''(t) + 4y''(t) + 5y'(t) - 2y = -4$

Q4 (a) Find general and definite solution of each equation. Also determine whether the equations have dynamically stable time paths. [12.5, 12.5]

(i) $y''(t) - 2y'(t) + 10y = 5$ $y(0) = 6; y'(0) = 8\frac{1}{2};$

(ii) $y''(t) + 6y'(t) + 9y = 27$ $y(0) = 5; y'(0) = -5;$

(b) Find $y(t)$ using the following information:

(i) $y_{t+2} - 10y_{t+1} + 25y_t = 8$ given $y(0)=1; y(1)=5;$

(ii) $y_{t+2} - y_{t+1} + \frac{1}{4}y_t = 2$ given $y(0)=4; y(1)=7;$

Q5 (a) Solve the following differential equation systems. [10, 15]

$x'(t) + 2y'(t) + 2x(t) + 5y(t) = 77$ $x(0) = 6; y(0) = 12;$

$y'(t) + x(t) + 4y(t) = 61$

(b) Discuss the interaction of inflation and unemployment model in discrete time.

Q6 (a) Let the demand and supply be [10, 7.5, 7.5]

$$Q_{dt} = 21 - 2P_t$$

$$Q_{st} = -3 + 6P_t$$

$$P_{t+1} = P_t - 0.3(Q_{st} - Q_{dt})$$

Find the time path P_t , and determine whether it is convergent?

(b) Solve the following difference equation by iteration:

$$y_{t+1} = \alpha y_t - \beta \quad \text{given } y_t = y_0 \text{ when } t=0;$$

(c) Write a note on higher order linear difference equation.

Q7 Write a note on any TWO of the following: [12.5, 12.5]

(a) Domar Growth Model

(b) Phase diagram

(c) Domar Burden of Debt Model



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M.A./M.Sc. Part – II Annual Exam – 2019

Roll No.

Subject: Economics

Paper: V (ii) [Applied Economics and Computer Application]

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

- | | | |
|---|--|----|
| 1 | a) Describe the procedure of composing models and mathematical equations in MS Word. | 13 |
| | b) What is desktop management and performance management? | 12 |
| 2 | a) What is Analysis of Variance (ANOVA). How ANOVA is used in model building? | 12 |
| | b) What is the procedure of creation and modification of charts in Eviews and SPSS? | 13 |
| 3 | Discuss the use of SPSS in cost benefit analysis and decision making. | 25 |
| 4 | What is present value? Describe procedure to estimate present value in Eviews. | 25 |
| 5 | Discuss the procedure to estimate the Cobb-Douglas production function with constant returns to scale in Eviews. | 25 |
| 6 | Discuss the procedure to estimate demand, supply and their equilibrium in Eviews and SPSS. | 25 |
| 7 | Write a note on any TWO of the following.
(i) Simultaneous Equation Models
(ii) Hypothesis testing
(iii) ARIMA models | 25 |



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: V (iii) [Operations Research]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

1. (a) Describe the process of formulation of a linear programming model by giving suitable example from business and economics. (12, 13)
(b) What kind of problems can linear programming help to solve?
2. (a) What is meant by a dual Program? Explain using suitable example? (12,13)
(b) What relations hips exist between Primal Program & Dual Program? Give Examples.
3. Briefly explain critical Path Method (CPM). What are its limitations? (25)
4. Define Assignment Model Explain the Procedure of Hungarian method for the solution of Assignment Problem. (25)
5. (a) Describe the nature and scope of operations Research. (10, 15)
(b) Explain various types of operations research models?
6. Explain in detail the transportation model by giving a suitable example? (25)
7. Write short note on any two of the following (12½, 12 ½)
 - (i) Slack Variable
 - (ii) Project scheduling
 - (iii) Multiple times estimates



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VI (i) [Monetary Theory and Policy]

Roll No.
Time: 3 Hrs. Marks: 100

Note: Attempt any FOUR questions. All questions carry equal marks.

- Q.1 a) What is money? Explain different functions of money in detail. (15)
b) Explain different definitions of money. Which definition in your opinion is best in case of Pakistan? (10)
- Q.2 Central bank is the head of money market. What problems are faced by the central bank to manage and activate the slow growth of money market? (25)
- Q.3 what do you understand by food inflation? What are the major causes of food inflation in Pakistan? Discuss various measures taken by the government of Pakistan to control food inflation. (5, 10, 10)
- Q.4 Explain the view point of Keynes and Monetarists regarding output, employment and prices. (25)
- Q.5 Explain the concept of exchange rate. How can it be determined under fixed and flexible exchange rate regimes? Also explain the impact of foreign exchange reserves on exchange rate in a country like Pakistan. (15,10)
- Q.6 Critically explain the concept of money multiplier. How it can be helpful in controlling money supply in an economy like Pakistan? (25)
- Q.7 Write notes on any TWO of the following: (12^{1/2}, 12^{1/2})
- a) Evolution of money
 - b) Cambridge equation
 - c) Tools of monetary policy.



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VI (ii) [Public Sector Economics]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کوئی سے چار سوال حل کریں۔ تمام سوالات کے نمبر یکساں ہیں۔

- Q.1. (a) What is the tax reforms made in Pakistan? (12)
 (b) Explain the impacts of these tax reforms on the Economy in Future? (13)
 سوال نمبر ۱: (الف) پاکستان میں ٹیکس اصلاحات کوئی کی گئی ہیں؟
 (ب) مستقبل میں ان اصلاحات کے پاکستان کی معیشت پر کیا اثرات ہوں گے؟
- Q.2. (a) Explain the concept of Market Imperfection (Failure). (12)
 (b) How does Market Failure justify the intervention by the govt. in allocation of Resources? (13)
 سوال نمبر ۲: (الف) منڈی کی ناکامی (ناکامی) کے تصور کی وضاحت کریں۔
 (ب) ذرائع کی تخصیص میں منڈی کی ناکامی کس طرح حکومت کی مداخلت کا جواز پیش کرتی ہے؟
- Q.3. (a) Explain the salient features of Tax Structure of Pakistan. (12)
 (b) To what extent it meets the basic requirement of a good tax structure? (13)
 سوال نمبر ۳: (الف) پاکستان کے محصولات کے ڈھانچے کی نمایاں خصوصیات بیان کریں۔
 (ب) یہ کس حد تک ایک اچھے ڈھانچے کے پیمانے پر پورا اترتا ہے؟
- Q.4. (a) How does a government influence income distribution and resource allocation in an economy? (12)
 (b) Explain the issue of public goods pricing. (13)
 سوال نمبر ۴: (الف) کوئی حکومت معیشت میں آمدنیوں کی تقسیم اور وسائل کی تفویض پر کس طرح اثر انداز ہوتی ہے؟
 (ب) سرکاری اشیاء کی Pricing کا مسئلہ بیان کریں۔

P.T.O.

- Q.5. (a) Explain the characteristics of Inter-Govt. Fiscal Relations in developing countries like Pakistan. (12)
- (b) Explain the importance of such relations. (13)
- سوال نمبر ۵: (الف) پاکستان کے حوالے سے ترقی پذیر ممالک میں بین الحکومتی مالیاتی تعلقات کی خصوصیات بیان کریں۔
(ب) ان تعلقات کی اہمیت پر روشنی ڈالیں۔
- Q.6. (a) What is meant by Public Sector Resources allocation? (10)
- (b) Explain the concept of public goods. (15)
- سوال نمبر ۶: (الف) سرکاری اداروں میں ذرائع کی تخصیص سے کیا مراد ہے؟
(ب) Public Good کے تصور کی وضاحت کریں۔
- Q.7. (a) Define income elasticity of Public Revenues. (13)
- (b) Bring out clearly the difference between tax neutrality and fiscal neutrality? (12)
- سوال نمبر ۷: (الف) سرکاری محصولات کے لئے آمدنی کی پگھ کی تعریف کریں۔
(ب) Tax Neutrality اور Fiscal Neutrality میں فرق واضح کریں۔
- Q.8. (a) Differentiate the following with examples: (10)
- i. Direct Taxes ii. Indirect Taxes
- (b) Discuss the merits and demerits of indirect and direct taxes? (15)
- سوال نمبر ۸: (الف) مندرجہ ذیل کی مثالوں سے وضاحت کریں۔
i. براہ راست ٹیکس ii. بالواسطہ ٹیکس
(ب) براہ راست اور بالواسطہ ٹیکس کی خوبیاں اور خامیاں بیان کریں۔
- Q.9. (a) Explain the Wagner's Law of Public Expenditure. (13)
- (b) Critically evaluate the expenditure policy of Government of Pakistan. (12)
- سوال نمبر ۹: (الف) سرکاری اخراجات کے بارے Wagner's Law کا جائزہ لیں۔
(ب) حکومت پاکستان کی سرکاری اخراجات کی پالیسی کا تنقیدی جائزہ لیں۔



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VI (iii) (Investment and Project Appraisal)

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کوئی سے چار سوال حل کریں۔ تمام سوالات کے نمبر یکساں ہیں۔

Q.1.(a) What are various dimensions of a project.

(b) Explain significance of project appraisal.

سوال نمبر ۱: (الف) پراجیکٹ کے مختلف پہلو کیا ہیں۔

(ب) جائزہ پراجیکٹ کی اہمیت واضح کریں۔

Q.2. Make clear comparison between present worth method and annual worth method of cost effectiveness analysis.

سوال نمبر ۲: تجدید اثر انگیزی لاگت کے طریقہ حالیہ قدر اور طریقہ سالانہ قدر میں واضح طور پر امتیاز کیجئے۔

Q.3. What is the difference between financial and real investment? Explain the role of marginal efficiency of capital in determining rate of interest.

سوال نمبر ۳: مالی اور حقیقی سرمایہ کاری میں فرق واضح کریں۔ شرح سود کو طے کرنے میں مختتم استعداد سرمایہ کے کردار کی وضاحت کیجئے۔

Q.4.(a) Explain what is meant by cross over discount rate.

(b) Explain price reflecting values and its role.

سوال نمبر ۴: (الف) کراس اوور ڈسکونٹ کی شرح پر بحث کیجئے۔

(ب) اقدار عکس قیمتیں اور ان کے کردار کی وضاحت کیجئے۔

P.T.O.

Q.5. What is Net Benefit Ratio? Explain its implications to get optimum level of investment.

سوال نمبر ۵: تناسب خالص فوائد کیا ہوتا ہے؟ سرمایہ کاری کی معیاری سطح کو حاصل کرنے کے لئے اس کے مضمرات کی وضاحت کیجئے۔

Q.6. What is the difference between constant effect method and constant cost method? Explain the significance of constant cost method in determining cost effectiveness of a project.

سوال نمبر ۶: ساکن اثر طریقہ اور ساکن لاگت طریقہ میں فرق واضح کیجئے۔ ایک پراجیکٹ کی اثر انگیزی لاگت کو طے کرنے میں طریقہ ساکن لاگت کی اہمیت کی وضاحت کیجئے۔

Q.7. Write a note on any THREE of the following:

i. Project Evaluation

ii. Shadow Exchange Rate

iii. Traded versus Non Traded Goods

iv. Net present worth

سوال نمبر ۷: درج ذیل میں سے کسی تین پر نوٹ لکھیں:

i. Project Evaluation

ii. Shadow Exchange Rate

iii. Traded versus Non Traded Goods

iv. Net present worth



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VI (iv) [Managerial Economics]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

Q.1 "Managerial Economics is a unification of Economic theory, Mathematical Economics and Economics". Substantiate this statement. (25)

Q.2 a) What is Markup Pricing? Develop and explain the relation between Markup on Cost and Markup on Price formulas. (12.5)

b) Explain the underline relations using the Net Present Worth (NPW) approach to investment project selection. (12^{1/2})

Q.3 Cite some potential causes and possible curves for decreasing productivity growth in Pakistan. (25)

Q.4 Define the following statements: (5x5)

i) Standard deviation and Standard deviation of regression.

ii) Coefficient of variation and coefficient of correlation.

iii) Diminishing marginal utility of money.

iv) Certainty equivalent

v) Risk adjusted discount rate

Q.5 a) A company estimates fixed cost for the product of \$50,000 per year and the average variable cost (AVC) : $\$.5 + \$0.0025q$ (Where AVC is in \$ and q is output.) (5x5)

i) Estimate the total cost and average cost for the projected first year volume of 20,000 units.

ii) An increase in workers' productivity because of greater experience during a course of the year resulted in a substantial cost saving for the company. Estimate the effect of learning on average total cost, if actual second year total cost was 848,000 at an actual volume of 20,000 units.

P.T.O.

b) Starsky and Hutch. Inc., is an insulation contractor serving both residential and commercial customers in Pennsylvania. Demand and marginal revenue relations for treated cellulose fiber insulation, a proper product, have been estimated as: ($7^{1/2}$, $7^{1/2}$)

Residential Market

$$P_R = \$1,000 - \$0.0025 Q_R$$

$$MR_R = \$1,000 - \$0.005 Q_R$$

Commercial Market

$$P_C = \$750 - \$0.000625 Q_C$$

$$MR_C = \$750 - \$0.00125 Q_C$$

Where Q is tones of installation installed and P is dollars. Each ton of installed insulation results in \$600 of marginal labor and materials expense.

- i) Assume that company can price discriminate between its two types of customers, calculate profit maximizing price, output and total profit contributions levels.
- ii) Calculate Point Price Elasticities for each type of customer at the activity levels identified in part i. Are the differences in these elasticities consistent or inconsistent with your recommended price differences in part a? Why or why not?

Q.6 What is demand estimation? How demand is estimated through regression analysis? Explain its merits and demerits. (25)

Q.7 What are the main characteristics of Oligopoly? What is its distinguished characteristic in relation to other forms of market organizations? What are the sources of oligopoly and give example of oligopoly in case of Pakistan. (25)



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VII (i) [History of Economic Thought]

Roll No.

Time: 3 Hrs. Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کوئی سے چار سوال حل کریں۔ تمام سوالات کے نمبر یکساں ہیں۔

- Q.1. Discuss the Economic contribution of Ibn-e-Khuldoon. سوال نمبر ۱: ابن خلدون کی معاشی خدمات کا جائزہ لیں۔
- Q.2. Critically examine the contribution of Adam Smith to Economic thought. سوال نمبر ۲: ایڈم سمٹھ کے معاشی افکار کا تنقیدی جائزہ پیش کریں۔
- Q.3. Discuss the crises of 1970 and its economic effects. سوال نمبر ۳: ۱۹۷۰ء کے زوال کا جائزہ لیجئے اور اس کے معاشی اثرات بیان کیجئے۔
- Q.4. Critically analyze the ideas of Economic Thought presented by Alfred Marshal. سوال نمبر ۴: الفریڈ مارشل کے معاشی افکار کا تنقیدی جائزہ پیش کریں۔
- Q.5. Examine the impact of industrial revolution on the contemporary economic thought. سوال نمبر ۵: صنعتی انقلاب کے ہم عصر معاشی خیالات پر پڑنے والے اثرات کا جائزہ لیجئے۔
- Q.6. What is the future of capitalism as an economic system? سوال نمبر ۶: ایک معاشی نظام کے طور پر کیپٹلزم کا مستقبل کیا ہے؟
- Q.7. Write a note on any TWO of the following:
i. Ricord's Theory of rent ii. Veber's contribution in economics
iii. The future of economic درج ذیل میں سے کسی دو پر نوٹ لکھیں:
- (الف) ریکارڈ کا نظریہ لگان (ب) ویبر کی معاشی خدمات (ج) معاشیات کا مستقبل



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VII (ii) [Comparative Economic System]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کل چار سوال حل کریں۔ تمام سوالات کے نمبر مساوی ہیں۔

Q.1. Write down the important features of mixed economic system and compare it with socialist economic system. In your opinion which system is more suitable in delivering goods and services to the people in society? (10+10+5)

سوال نمبر ۱: مخلوط معاشی نظام کی اہم خصوصیات تحریر کریں اور ان کا موازنہ اشتراکی معاشی نظام کے ساتھ کریں۔ آپ کے خیال میں ان میں سے کون سا نظام معاشرے میں رہنے والے افراد کو اشیاء اور خدمات فراہم کرنے کے لئے زیادہ موزوں ہے۔

Q.2. Describe the fundamental characteristics of Islamic Economic System. In what respect the Islamic Economic System is superior to the other Economic Systems. (15+10)

سوال نمبر ۲: اسلام کے معاشی نظام کی بنیادی خصوصیات تحریر کریں۔ اسلام کا معاشی نظام دیگر معاشی نظاموں پر کس طرح فوقیت رکھتا ہے۔ واضح کریں۔

Q.3. Discuss the achievements and experiences of the process of Islamization in Pakistan since 1978. (25)

سوال نمبر ۳: ۱۹۷۸ء سے پاکستان میں اسلامی معاشی نظام سے حاصل ہونے والے تجربات اور کامیابیوں پر بحث کریں۔

Q.4. Discuss the achievements and failures of communism / socialism in USSR. (25)

سوال نمبر ۴: روس میں کمیونزم / اشتراکیت کے نظام کی کامیابیوں اور ناکامیوں پر بحث کیجئے۔

P.T.O.

Q.5. Describe the pre-requisites of capitalism. Also distinguish between competitive capitalism and monopoly capitalism.

سوال نمبر ۵: سرمایہ دارانہ نظام کی لازمی شرائط بیان کیجئے۔ نیز مقابلاتی سرمایہ داری اور اجارہ دارانہ سرمایہ داری میں فرق واضح کیجئے۔

Q.6. Explain salient features of the process of privatization in Pakistan. On what basis this process was criticized.

سوال نمبر ۶: پاکستان میں نجکاری کے عمل کی اہم خصوصیات بیان کریں۔ کن بنیادوں پر اس عمل کو تنقید کا نشانہ بنایا گیا۔

Q.7. Write short notes on any TWO of the following:

- i. Role of Price Mechanism in Resource Allocation
- ii. Environmental Problems in Capitalism
- iii. Private Property Right in Islam

سوال نمبر ۷: مندرجہ ذیل میں سے کسی دو پر مختصر نوٹ لکھیں۔

(الف) وسائل کی تخصیص میں قیمتوں کی میکانیت کا کردار

(ب) سرمایہ داری میں ماحولیاتی مسائل

(ج) اسلام میں نجی ملکیت کے حقوق



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VII (iii) [Environmental Economics]

Roll No.

Time: 3 Hrs. Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

1. "Environmental Pollution is a serious problem". Explain why? 25
What measures would you suggest for the reduction of this problem?
ماحولیاتی آلودگی ایک سنجیدہ مسئلہ ہے۔ وضاحت کریں کیوں؟ اس مسئلہ کے سدباب کیلئے آپ کیا اقدامات تجویز کرتے ہیں؟
2. a) What is Kyoto Protocol? Also explain its importance. 12
b) Explain an effective mechanism that could control different types of pollutants. 13
الف (کیوٹو پروٹوکول سے کیا مراد ہے؟ اس کی اہمیت بیان کریں۔
ب (آلودگی کے مختلف عناصر کو قابو کرنے کیلئے ایک کارآمد نظام کے وضاحت کریں
3. In what ways can developed countries best contribute to the alleviation of global and domestic LDC environmental issues? 25
Discuss in detail.
ترقی یافتہ ممالک عالمی اور مقامی سطح پر ترقی پزیر ممالک میں ماحولیاتی مسئلوں کو ختم کرنے کیلئے کن احسن طریقوں سے شمولیت کر سکتے ہیں؟ تفصیل سے بحث کریں۔

P.T.O.

4. How rapid population growth effect the environment? 25
Is there a need for regulating this issue and how? Explain
ایک تیزی سے بڑھتی ہوئی آبادی ماحول پر کیسے اثر ڈالتی ہے؟ کیا اس مسئلے کو
حل کرنے کی ضرورت ہے اور کیسے؟ واضح کریں۔
5. What are the urban environmental issues in Pakistan? How they can 05
be solved? Elaborate your answer. 20
پاکستان کے شہری ماحولیاتی مسائل کیا ہیں؟ ان کو کیسے حل کیا جا سکتا ہے؟ اپنا
جواب تفصیلاً بیان کریں۔
6. (a) Explain the effects of Water Logging and Salinity on the 15
Environment.
(b) Critically analyze the recent Environmental Protection Policies of 10
Pakistan.
الف) ماحول پر سیم اور تھور کے اثرات بیان کریں۔
ب) ماحولیاتی تحفظ کیلئے پاکستان کی گزشتہ پالیسیوں کا تنقیدی جائزہ لکھیں۔
7. Write notes on any two of the following: 12.5
+
12.5
(a) Command and Control Strategy versus Incentive Based Strategy
(b) Social awareness programs to control pollution.
الف) نظم و ضبط کی حکمت عملی بمقابلہ مفادات پر مبنی حکمت عملی
ب) آلودگی کو قابو کرنے کیلئے معاشرتی آگاہی پروگرامز



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VII (iv) [Agricultural Economics]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کوئی سے چار سوال حل کریں۔ تمام سوالات کے نمبر یکساں ہیں۔

- Q.1. Agriculture is considered as the backbone of any economy. If it is so, discuss the evolution, scope and importance of agriculture.
سوال نمبر ۱: زراعت کسی معیشت کی ریڑھ کی ہڈی تصور کی جاتی ہے۔ اگر ایسا ہے تو زراعت کے ارتقاء، وسعت اور اہمیت بیان کریں۔
- Q.2. Identify the problems in existing agricultural marketing system in Pakistan. Give suggestions to improve this marketing system.
سوال نمبر ۲: پاکستان میں زرعی منڈیاتی نظام کے موجودہ مسائل کی نشاندہی کریں۔ منڈیاتی نظام کی بہتری کے اقدامات تجویز کریں۔
- Q.3. Discuss the characteristics of land ownership in underdeveloped agriculture of Pakistan.
سوال نمبر ۳: پاکستان کی ترقی پذیر زراعت میں ملکیت اراضی کی خصوصیات بیان کریں۔
- Q.4. What are the causes of fluctuations in the prices of agricultural commodities? Suggest remedies also.
سوال نمبر ۴: زرعی اشیاء کی قیمتوں میں اتار چڑھاؤ کی وجوہات کیا ہیں؟ علاج بھی بتائیں۔
- Q.5. Discuss Ricardian theory of corn rent in detail.
سوال نمبر ۵: ریکارڈو کے نظریہ غلہ میں لگان کی وضاحت کریں۔
- Q.6. Explain the process of transition from subsistence farming to commercialized farming in Pakistan.
سوال نمبر ۶: پاکستان میں قابل گزارہ کاشت سے تجارتی کاشت میں تبدیلی کے عمل کی وضاحت کریں۔
- Q.7. Discuss the issues and problems of instability in exports. Also give solution of these problems.
سوال نمبر ۷: برآمدات میں عدم استحکام کے مسائل کی نشاندہی کریں نیز ان مسائل کا حل بھی تجویز کریں۔



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M.A./M.Sc. Part – II Annual Exam – 2019

Roll No.

Subject: Economics

Paper: VII (v) [Political Economy and Global Order]

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

Q. 1

Write in detail the major theories of political economy along with the critical analysis of these in terms of their basic assumptions, their impact, and their application in the modern globalized world.

Q. 2

Does economic integration hold the key for developing countries to “catch-up” with the developed world? Do international institutions such as the World Bank and World Trade Organization help or hurt development?

Q. 3

Write a detailed essay on the concept of Globalization, tools of Globalization, Its models, Its Influence/Range, and its Impact on developing economies like Pakistan.

Q. 4

The existing international economic order is widely believed to have aggravated global inequality and undermined global democratic governance. In what ways might this order be reformed to promote greater equality and democracy?

P.T.O.

Q.5

a) To What extent do international development strategies offer the potential to eradicate poverty?

b) Evaluate the role of NGOs in international development work. (12.5+12.5)

Q.6

Define the term Globalization. Do you believe its prospects are threatened because of the current economic crises in general and third world economies in particular?

Q.7

Write Short Notes on any two of the followings: (12.5x2=25)

a) IMF

b) Rapid fluctuation in Foreign Exchange rate , its causes and impacts

c) China-Pakistan Economic Corridor, benefits and costs



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VIII (i) [Labour Economics]

Roll No.

Time: 3 Hrs.

Marks: 100

Note: Attempt any FOUR questions. All questions carry equal marks.

1. (a) Discuss the significance of Labour Economics in various sectors of the economy (10+15)
(b) Explain how the problems faced by workers in developed and developing countries differ.
2. (a) Discuss the firm's short run and long run labour hiring decision. (18+7)
(b) Why does a profit-maximizing firm hire workers up to the point where the wage equals the Value of Marginal Product?
3. (a) What shape will the labour supply curve take if the size of the substitution effect always exceeds the size of the income effect? Explain in detail. (10+15)
(b) What happens to hours of work when the wage rate falls? Decompose the change in the hours of work into income and substitution effects.
4. Unemployment is a very serious problem faced by developing countries. Discuss the various factors which have led to increased unemployment in these countries. (25)
5. Discuss the validity of the short run and the long run Philips curve. If the government targets inflation or unemployment alternatively, would it be a successful policy particularly in an under-developed country? (25)
6. Critically discuss Todaro's model of labour migration. (25)
7. Write short notes on the following: (12.5+12.5)
 - (a) Child labour
 - (b) Wage discrimination in labour markets



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VIII (ii) [Human Resource Development and Management]

Roll No.

Time: 3 Hrs.

Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

- Q.1. Sketch out the perspective plan to develop Human Resources in Pakistan. (25)
- Q.2. Briefly outline the impact of poverty on human capital. What primary measures would you suggest to remove poverty in order to build productive human capital in Pakistan? (25)
- Q.3. Discuss human development as a source of economic development in case of ASEAN Countries? (25)
- Q.4. Discuss the status of women as development agent in Pakistan. What are the policies to improve women conditions in Pakistan? (25)
- Q.5. Rapidly growing population growth affects human development. Give suggestions to control population growth. (25)
- Q.6. How can manpower requirement be forecasted for public sector in a social welfare state? How can you forecast manpower requirement for Pakistan's services sector? (25)
- Q.7. Write note on any TWO of the the following: (12½+12½)
- i. Labor market information system in Pakistan
 - ii. Human Development Index and implications
 - iii. Social conditions in less developed countries and earnings of women



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M.A./M.Sc. Part – II Annual Exam – 2019

Roll No.

Time: 3 Hrs.

Marks: 100

Subject: Economics

Paper: VIII (iv) [Economic Principles, Strategies and Techniques of Marketing]

NOTE: Attempt any FOUR questions. All questions carry equal marks.

1	a) Marketing is Gardening not Hunting. Discuss. b) Explain primary and secondary activities in Supply Chain.	12.5,12.5
2	a) Explain channel conflicts and channel power. b) Write a note on Market control and Marketing Audit?	12.5,12.5
3	a) Explain Cost Management. b) Explain causes for higher cost and methods to minimize it?	12.5,12.5
4	a) Explain segmentation and its advantages ? b) What need for effective Segmentation ?	12.5,12.5
5	a) Explain Price Power ? b) Importance of Prices and methods to determine prices?	12.5,12.5
6	a) Explain buyer behavior to Marketing? b) What factors are responsible in creating impacts on Consumer behavior?	12.5,12.5
7	Write short note on any two of the following: a) Services Marketing b) The Promotional program c) Physical Distribution	2*12.5



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M.A./M.Sc. Part – II Annual Exam – 2019

Subject: Economics

Paper: VIII (iii) [Regional Economics]

Roll No.

Time: 3 Hrs. Marks: 100

NOTE: Attempt any FOUR questions. All questions carry equal marks.

نوٹ: کل چار سوال حل کریں۔ تمام سوالات کے نمبر مساوی ہیں۔

Q.1. Define regional economics and explain different types of regions. Explain the linkage between planning and implementation as grass root level.

سوال نمبر ۱: علاقائی معیشت کی وضاحت کریں اور مختلف قسم کے علاقوں کی وضاحت کریں۔ نجلی سطح پر منصوبہ بندی اور عمل درآمد کے درمیان رابطے کی وضاحت کریں۔

Q.2. Explain theoretical and practical problems of regional development planning. What are the criteria for development of backward areas?

سوال نمبر ۲: علاقائی ترقیاتی منصوبہ بندی کے نظریاتی اور عملی مسائل کی وضاحت کریں۔ پسماندہ علاقوں کی ترقی کا معیار کیا ہے؟

Q.3. What is shadow pricing and socio-economic development? What are the social and economic returns to develop backward regions?

سوال نمبر ۳: Shadow Pricing اور سماجی و معاشی ترقی سے کیا مراد ہے؟ پسماندہ علاقہ جات کو ترقی یافتہ بنانے کے لئے معاشی اور سماجی فوائد کیا ہیں

Q.4. Explain local projects and benefits of these projects. Make a comprehensive cost benefit analysis of socially uplifting projects.

سوال نمبر ۴: مقامی منصوبوں اور ان کے فوائد کی وضاحت کریں۔ سماجی طور پر ان منصوبوں کی استعداد بڑھانے کے لئے Cost Benefit Analysis کریں۔

P.T.O.

Q.5. Explain centralized and decentralized planning. What is the rationale of decentralization and functioning of markets?

سوال نمبر ۵: Centralized اور Decentralized منصوبے کی وضاحت کریں۔ منڈیوں کے کام کرنے کے لئے Decentralized کے جواز کی وضاحت کریں۔

Q.6.(a) Explain the reasons of regional disparity in Pakistan.

(b) Give policy suggestions to remove regional disparity in Pakistan.

سوال نمبر ۶: (الف) پاکستان میں علاقائی تفاوت کی وجوہات بیان کریں۔

(ب) پاکستان میں علاقائی تفاوت کے خاتمے کے لئے پالیسی تجویز کریں۔

Q.7. Write note on any TWO of the following:

- Convergence divergence debate
- Spatial and economic structure of regions and regional disparity
- International income differential and issues

سوال نمبر ۷: مندرجہ ذیل میں سے کسی دو پر نوٹ لکھیں۔

(الف) Convergence، Divergence پر بحث کریں

(ب) علاقوں اور علاقائی تفاوت کے مقامی اور معاشی ڈھانچہ کی وضاحت کریں

(ج) بین الاقوامی آمدنی کے فرق اور مسائل کیا ہیں؟