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Subject:- **ECONOMICS** Paper:-VI **(Final)**

Macro Economics Theory

Time Allowed :- 3 Hours Max : Marks : 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –I is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff.

Section 1: Attempt 20 question in total all questions carry equal mark.

Time allowed; 40 minutes

1. Macro economics?
2. Infant industry?
3. Investment?
4. Invisible hand?
5. Keynesian economics?
6. Laises-faireconomy?
7. MPC stands for what?
8. Market Economy?
9. Monetary base?
10. Monetary policy?
11. MPS stands for?
12. Net Investment?
13. What is NNP?
14. Nominal interest rate?
15. Oakum's law?
16. What is an open economy?
17. Philips curve?
18. Inflationary gap?
19. PPF stands for what?
20. Real interest rate?
21. Recession?
22. Motives of demand for money?
23. Saving function?
24. Stagflation?
25. Structural unemployment?
26. What is a subsidy?
27. Supply side economics?
28. Frictional unemployment?
29. Velocity of money?
30. Underground economy?

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Subject:- **ECONOMICS** Paper:- **VII (Final)**
International Economics

Time Allowed :- 3 Hours Max : Marks : 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –I is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff.

SECTION –I (OBJECTIVE PORTION 20 MARKS)

QNO 1. Answer 20 questions briefly (maximum two lines) and to the point. No details needed.

1. What does International Economics deals with.
2. What is Terms of Trade?
3. Name three founder members of ECO.
4. What is the main objective of WTO?
5. What does BRICS stands for?
6. Name four types of Tariffs.
7. What is the difference between BOT& BOP?
8. Define Economies of scale.
9. Who presented Leontief Paradox?
10. What is the objective of ECO?
11. Name three members of EC.
12. What is the contribution of Leontief?
13. What does NFN stands for?
14. Name any five members of SAARC.
15. Define opportunity cost.
16. How much is the trade deficit of Pakistan (Approximate).
17. What is Dumping?
18. Name the body which regulate International trade?
19. What is GATT?
20. What does MIGA stands for?
21. Define foreign trade multiplier.
22. What is Immiserizing Growth?
23. What is the main objective of WB?
24. Define optimal tariff.
25. What does GSP plus offers to Pakistan?
26. Name three accounts of B.O.Ps.
27. What is floating exchange rate?
28. Define Revaluation.
29. Name three members of BRICS.
30. What is Economic Union?

SECTION 2. (*80 Marks*) Time allowed 2.20

Attempt any four question. All questions carry equal marks.

Q.no 2 Discuss the concept evolution and scope of macro economics?

Q.no 3 Differentiate between real and nominal GNP also explain the concept of GNP deflator?

Q.no 4 Discuss the following effects on classical model

(a) Supply of money changes (b) Demand for labor changes (c) Supply of labor changes.

Q.no 5 Describe the salient features of Keynes theory of income and employment , how equilibrium level of NI and employment is determined in a two sector economy?

Q.no 6 Discuss the determinants of slope of LM curve, drive the following LM curves

(a) More elastic LM (b) Less elastic LM (c) Vertical LM (d) Horizontals LM also discuss the causes of shifting of LM curves?

Q.no 7 Explain Keynesian psychological law of consumption, what are its assumptions and importance?

Q.no 8 Critically examine the Friedmans "Permanent income theory"?

Q.no 9 The Kaldors theory of business cycle is an extension of Keynes theory of income and employment, Discuss?

Q.no 10 Describe in suitable length any two concepts of the following

(a) Govt expenditure and tax multiplier.

(b) Factors effecting consumption.

(c) Concept of Deflationary gap.

GOOD LUCK.

QNO 2.   What are the distinguishing features of International trade with respect to Interregional trade?

QNO 3.   Explain the Modern theory of International trade in detail.

QNO 4.   Discuss the role of WTO in trade, how is it different from GATT.

QNO 5.   Give a detail account of the Non-Tariff Barriers NTBs.

QNO 6.   What are the main causes of the low performance of SAARC?

QNO 7.   What is B.O.Ps: What corrective measures a country undertakes having disequilibrium in B.O.Ps.

QNO 8.   What do you know about IMF'S Structural Adjustment Programmes (SAP)?

QNO 9.   Give a detail account of the demands of LDCs under UNCTAD.

QNO 10.   Write a note on any two of the following:-

a) MFN status to India.

b) Absorption Approach

c) Foreign trade multiplier

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disqualified for the said paper .

Time allowed: 3 hrs.   Maximum marks: 100

NOTE: Attempt any five Questions. Question No. 1 is compulsory. Time for Question No. 1 is
only 40 min. After this time, the Answer book should be handed over to supervisory staff. All
Questions carry equal marks.

Subject: Pakistan Study   **Paper V111 Final (Economy of Pakistan)**

Section 1: Attempt 20 question in total all questions carry equal mark.

Time allowed 40 minutes.   Marks 20.

1. Define an economy?
2. Give a definition of economics?
3. What is supply?
4. What is population explosion?
5. Define export and import/
6. Define employment?
7. What are factors of production?
8. What is agriculture?
9. Give names of sources of irrigation in your country?
10. Define green revolution?
11. How many land reforms made in Pakistan?
12. What is agricultural marketing?
13. What is large and small scale industry?
14. What is tariff?
15. Define balance of payment?
16. Name three mineral resources of Pakistan?
17. Why we made trade policies?
18. What are Pakistan's Major crops?
19. What is a developing country?
20. What is economic development?
21. Define a Bank?
22. List the functions of a commercial bank?
23. Why demand curve slops down ward?
24. SBP stands for what?
25. Define economic growth?

26. What is balance of trade?
27. State the law of demand?
28. What is HYVs?
29. What is IRRI?
30. What are agricultural markets?

(Section-2)Marks; 80 Time allowed 2.20 (Attempt any four question having equal marks)

Q.no2 Define importance and scope of studying Pakistan's Economy?

Q.no3 Pakistan is gifted by God with natural resources, why we are still underdeveloped country? Give factors behind our underdevelopment.

Q.no4 Why Pakistan's mineral resources are not exploited fully to develop our economy? Discuss constraints.

Q.no5 Pakistan is facing the severe problem of population pressures on its economy, what remedial measures government can adopt to solve this issue? Explain.

Q.no6 Finance is the life blood for agricultural development, what are the sources of finances available to this sector through ADBP? Discuss in detail.

Q.no7 Farm mercerization is labor displacing , can create unemployment .Do you agree with this statement if yes/no support your answer with arguments.

Q.no8 What are the main causes of adverse balance of payment of Pakistan? Explain causes and solutions.

Q.no 9 Explain the functions of state bank of Pakistan in detail?

Q.no10 Write Short notes on any two of the following

(a) Characteristics of developing countries.

(b) Objectives of Planning.

(c) Industrial labor's problems.

GOOD LUCK

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SUBJECT: --   ECONOMICS   Paper X Final

Econometrics – II (For Regular Failure)

Time Allowed: _ 3 Hours.   Max Marks: 100

Note: Attempt any five questions in All, Question No. 1 in Section – 1 is compulsory. The time for Section – I is only 40 Minutes. After Expiry of the Time, Paper should be handed over to the supervisory staff.

SECTION – I (MARKS 20)   Time 40 Minutes.

Q.No 1   Attempt any 20 Questions.
1.   Econometric Stands for?

2.   Define Time series data?

3.   Define Nonlinear Least Squares (NLLS)?

4.   What is disturbance term?

5.   Define indirect least- squares criterion?

6.   Define Random walk models?

7.   Define Unit root?

8.   What is Correlogram?

9.   Define Dummy variables

10.   Define Co integration?

11.   Define   stochastic process?

12.   Define Forecasting?

13.   Define Causality?

14.   Define Reduced form equation?

15.   Define predetermined variables?

16.   Define instrumental variable?

17.   Integrated stochastic process?

18.   Durbin h Statistic?

19.   What is Identification problem?

20.   Define OLS?

21.   Define Random Variables?

22.   Define Probability Limit?

23.   What is Limited information method & Full information method?

24.   Differentiate between Theoretical & Applied econometrics?

25.   What is Trend stationary & Difference Stationary stochastic process?

26.   Differentiate between stationary & Nonstationary process?

27.   Define white noise process?

28.   Define Linear Probability model (LPM)?

29   Define Latent variable?

30.   Define Error learning hypothesis?

Attempt any Four Questions. All questions carry equal marks.

Q2:   a) Differentiate between Logit and probit model   10

        b) Explain Poisson Regression Model.   10

Q3:   a) Explain Random effect model.   10

        b) What do you know about LSDV.   10

Q4:   a) Explain ARIMA MODEL in detail?

        b) Differentiate between ARCH and GARCH model.   10

Q5)   a) what do you know about identification problem and what are the rules of
        identification? 12

        b) Given the following market model.   08

$$D = c_0 + c_1 P + U$$
$$S = d_0 + d_1 P + V$$
$$D = S$$

Determine whether both equations are unidentified, Just identified, or exactly

identified.

Q6:   a) Explain Adaptive Expectation Model.   10

        b) How can we estimate Autoregressive model.   10

Q7)   what do you know about the nature of Simultaneous- Equation model and
        explain Simultaneous- Equation bias.
            20

Q8:   a) What do you know about Nonstationary stochastic process?   10

        b) Explain Unit root test in detail?   10

Q9:   Given the Keynesian model of income determination.   20
            $$Y_t = C_t + I_t + G_t$$
            $$C_t = b_0 + b_1 Y_t + U_1$$
            $$I_t = a_0 + a_1 Y_t + a_2 Y_{t-1} + U_2$$

a) Derive the reduced form coefficients of the behavioral equations.

b) Show that the Reduced-form parameters measure, the total effect, direct and
indirect, of a change in the exogenous variable on the endogenous variables.

Q10): Write short notes on any two of the following   20

        a)Spurious regression.

        b)Augmented dickey fuller test.

        c) Engel Granger test.

Good Luck

UNIVERSITY OF BALOCHISTAN QUETTA
MA / MSc (ANNUAL) EXAMINATION .2014.

Time.3.00   Max.Marks 100

Note. Attempt any five questions all question carry equal marks. Question no 1 is compulsory.

Subject: Economics   Paper IX Final (Public finance and monetary economics)

Section 1: Attempt 20 question in total all questions carry equal mark.

Time allowed 40 minutes.   Marks 20.

1. What is a public sector?
2. Give three examples of public goods?
3. What do you mean by mobilization of savings?
4. What is a tax base?
5. Define Regressive tax?
6.. What is capital value tax?
7. What is import duty?
8. How rate of interest determine in classical theory?
9. List three properties of good money?
10. What is a subsidy give example?
11. Sources of govt revenue list five?
12. Great Depression?
13. Direct tax with example?
14. Discount rate?
15. Exclusion principle?
16. High powered money?
17. Gold standard of money?
18. Intrinsic value of money?
19. Monetary base?
20. Velocity of money?
21. Mixed economy?
22. Monetarist?
23. Near money?
24. Time deposit?
25. Value added tax?
26. Yield curve?
27. Compensatory fiscal policy?
28. Automatic stabilizers?
29. Fiat money?
30. Inflationary Gap?
30. Efficiency criteria of tax?

SECTION 2 Attempt any four (04) questions   Time Allowed 2:20 hours.

Q.no2 Discuss the scope and importance of public finance in an economy?

Q.no3 Public goods are always short in comparison of its supply in developing countries how government can provide public goods in sufficient quantities to its public? Give suitable suggestions.

Q.no4 How economies generate their incomes? List sources of income and how these revenues are represented by the government in public goods?

Q.no5 Central banks play an important role in a country discuss along with its functions?

Q.no6 Monetarist school of thought said that monetary policy plays very important role in controlling the supply of money and cure the inflationary and deflationary situation in an economy, explain its mechanism?

Q.no7 How rate of interest determine according to classical theory?

Q.no8 Describe the Quantity theory of money demand by Keynes?

Q.no9 What is Riba Free banking? What is the future of Riba free banking in Pakistan? Comment.

Q.no 10 Write Short notes on any two of the following,

(a) Term structure of rate of interest?

(b) Functions of Money?

(c) Tools to control money supply?

UNIVERSITY OF BALOCHISTAN, QUETTA.
M.A / M.Sc (ANNUAL) EXAMINATION,2014
SUBJECT:- ECONOMICS   PAPER:- VIII(FINAL)
Economic Development And Planning   SECTION ___I

Time Allowed for this section :-40 Minutes   Max :- Marks for this section 20

Note:- Attempt Five Questions in All But Question NO.1 is Compulsory. Time for Question No.1 is Only 40 Minutes. After 40 Minutes Paper Should be Handed Over to the Examiner.

Attempt any 20 questions out of 30 questions to the point and briefly. No details needed.

Q No.1

1) Define Economic Growth
2) Vicious Circle of Poverty
3) Formula of Per Capita Income
4) Define Import Substitution
5) Define Export Promotion
6) MNCs Stands for what
7) HDI stands for what
8) FDI stands for what
9) Untied Loan
10) Multilateral Loan
11) Surplus Balance of Payment
12) Dualism
13) Who Presented Big Push Theory
14) Seasonal Unemployment
15) Organized Money Market
16) Green Revolution
17) Subsistence Farming
18) Land Reforms
19) Define Gini Coefficient
20) Define Lorenz Curve
21) Entrepreneur
22) Monetary Policy
23) Fiscal Policy
24) Economic Planning
25) Mixed Economy
26) Grants
27) Capital Formation
28) ILO stands for what
29) Underdeveloped country
30) Informal Education

SECTION ___II

Time Allowed For This Section :- 2:20 Hours   Max : Marks for This Section 80

Note: Attempt Any Four Questions From This Section. All Questions Carry Equal Marks.

Q No.2	Define Economic Development and explain obstacles to Economic Devel-Opment in detail.
Q No.3	Explain the importance of agriculture in economic development in detail.
Q No.4	Write down Balanced Growth Theory in detail.
Q No.5	Write down the characteristics of Under –developed countries in detail.
Q No.6	Define Capital Formation and its importance in economic development.
QNO.7	Explain role of industry in economic development of a country.
Q No.8	Define Foreign Direct investment and its merits and demerits in detail.
Q No.9	Explain the role of Green Revolution in economic development of a country.
Q No.10	Write down the importance of Economic Planning for an economy in detail.

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Subject:-

(ECONOMICS.)

Paper:- X (Final)

Human Resource Development
(for Private Candidates)

Time Allowed :- 3 Hours

Max : Marks : 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –I is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff.

SECTION –I (OBJECTIVE PORTION 20 MARKS)

Q.No.1   Write short answers of the 20 following Questions.

1. Define Capacity development.
2. Human Resource development
3. What is traing
4. What is full employment
5. What is community
6. What is foreign remittance
7. What is gender mainstreaming
8. What is Inmigration
9. What is Human Capital
10. Globalization
11. What is capital/ Labour Ratio.
12. What is social capital.
13. ILO stands for
14. Employees
15. Self-discipline
16. Supervision
17. Man power planning
18. Demography.
19. Populations, intensity.
20. Demand for last forecasting
21. Gender Development
22. Human Capitalization
23. Wage discrimination
24. Occupational Skill
25. Gender gap by income
26. Women empowerment
27. Child labor
28. Labor force
29. Productivity of labor
30. Immigration.

SECTION –II(SUBJECTIVE PORTION 80 MARKS) TIME ALLOWED 2:20
Attempt any Four (04) questions.

Q.No.2   What is the role of Human Resource Development in Economic Development of Pakistan.

Q.No.3   Highlight the importance of education in Economic Development of Pakistan.

Q.No.4   Discuss the problems of gender development in the context of Pakistan.

Q.No.5   Give positives and Negatives of brain drain in Pakistan.

Q.No.6   What is food poverty, How it will affect H.R.D

Q.No.7   Population explosion is major challenge. Discuss its negative effects on Human Resource development of Pakistan.

Q.No.8   What are the main elements of effective manpower placing also discuss its importance in the utilization of Human resources.

Q.No.9   Partiapactory development is process of capacity development of Human Resources comment.

Q.No.10   Write short note on any two of the following.
 a. Globalization
 b. T.W Schultz theory of H.R.D
 c. Unemployment among educated youth.

UNIVERSITY OF BALOCHISTAN, QUETTA
MA/MSc (1st ANNUAL) EXAMINATION 2011

SUBJECT: ECONOMICS   PAPER-II

Time Allowed: 3 Hours   Mathematical Economics   Max Marks:100

NOTE: ATTEMPT ANY FIVE QUESTIONS IN ALL, INCLUDING QUESTION NO.1 WHICH IS COMPULSORY. TIME FOR QUESTION NO.1 IS 40 MINUTES. AFTER 40 MINUTES THE PAPER SHOULD BE HANDED OVER TO THE SUPERVISORY STAFF.

SECTION (OBJECTIVE)   MAX MARKS: 20

Q NO.1   Attempt any twenty questions (Maximum Two Lines)

1. Define independent and dependent variables.
2. What is an explicit function?
3. Differentiate determinant and matrix.
4. Define union and intersection.
5. Write any two rules of integration.
6. Write two laws of matrix operations.
7. What is concept of Bordered Hessian determinant?
8. Differentiate partial market equilibrium and general market equilibrium.
9. Write any two properties of inverse.
10. Define ordered pairs.
11. What is national income equilibrium?
12. Differentiate laws of returns and returns to scale.
13. Give an example of Cobb Douglas production function.
14. Write the rules of logarithmic function.
15. Define equation.
16. Define definite integration.
17. Write the equation of second order difference equation.
18. What is meant by differentiability of a function?
19. What is Cartesian product?
20. What is Laplace Expansion?
21. Define Jacobian determinant.
22. Write the first and second order conditions of extreme values.
23. What is repeated roots?
24. What is unconstrained optimization?
25. What is Relative minimum?

SECTION (SUBJECTIVE)   MAX MARKS: 80

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

Q NO.2
(a) Explain the following with examples:-   (Marks: 10+8+7)
    i)   Universal set
    ii)   Power set
    iii)   Improper subset
    iv)   Equivalent set

(b) The total revenue per day of a firm is a function of its daily sales Q. Assume that the firm's output capacity is Q=45 units per day what are the domain and range of the total revenue functions $TR = 60 + 1/3 Q$.

(c) Derive the quadratic formula from the equation:-
$$a x^2 + b x + c = 0$$

Q NO.3
(a) Explain the general market equilibrium.   (Marks: 5+12+8)

(b) Given the market model:-
$$C_1 P_1 + C_2 P_2 = - Co$$
$$N_1 P_1 + N_2 P_2 = - No$$

Find P_1 and P_2 with the help of crammers rule

(c) Find the inverse of following matrix:-

$$\begin{bmatrix} -5 & 6 & -7 \\ 10 & -11 & 13 \\ -1 & 1 & -1 \end{bmatrix}$$

Q NO.4
(a) Define the following giving examples:-   (Marks: 9+6+10)
    i)   Diagonal Matrix
    ii)   Singular Matrix
    iii)   Symmetric Matrix

(b) Calculate the Rank of the following Matrix:-

$$A = \begin{bmatrix} 3 & -2 & 9 \\ 1 & -3 & 4 \\ 4 & 2 & 12 \end{bmatrix}$$

(c) Given the following National Income Model:-

$$Y = C + Io + G$$
$$C = a + b (y - To)$$
$$G = gy$$

Q NO.5

(a) Explain the following:- (Marks: 9+16)
   i) Jacobian determinant
   ii) Technology Matrix
   iii) Primary Input

(b) Given the following input coefficient matrix:-

$$A = \begin{bmatrix} 0.2 & 0.4 & 0.3 \\ 0.4 & 0.3 & 0.1 \\ 0.3 & 0.1 & 0.2 \end{bmatrix}$$

and the final demand vector is $D = \begin{bmatrix} 35 \\ 65 \\ 25 \end{bmatrix}$

find the correct output level of three industries.

Q NO.6

(a) Define the following:- (Marks: 9+10+6)
   i) Limit of a function
   ii) Continuity of a function
   iii) Derivative of a function

(b) Use the Lagrange Multiplier method to find the stationary values of:-

$Z = 2x^2 + 5 xy - y^2$
Subject to $x + 3y = 8$

(c) Given that $\quad\quad\quad y = A e^{rt}$
Find the value of t

Q NO.7

(a) Explain the following:- (Marks: 9+7+9)
   i) Point of Inflection
   ii) Hessian Determinant
   iii) Quasi Convex Function

(b) Find Zx and Zy of the following:-
$$Z = \frac{2x^2 + 6y}{5x - 3y^2}$$

(e) Use Jacobian determinant to test the dependence or independence of the following:-
$y_1 = 1.5 x^2_1 + 12x_1 x_2 + 24 x^2_2$

$y_2 = 2x_1 + 8x_2$

Q NO.8

(a) Solve the following linear programming problem using graphic method:-
(Marks: 13+12)

Maximize $\quad \pi = 3x_1 + 4x_2$
Subject to $\quad 2.5x_1 + x_2 \leq 20$
$\quad\quad\quad\quad 3x_1 + 3x_2 \leq 30$
$\quad\quad\quad\quad x_1 + 2x_2 \geq 16$
and $x_1, x_2 \geq 0$

(b) Find the elasticity of demand and elasticity of supply at equilibrium price.

$Qs = 200 + 4P + 0.1P^2$
$Qd = 250 - P - 0.05P^2$

Q NO.9

(a) Highlight significance of derivative in Economics. (Marks: 5+5+5+5+5)

(b) Given the following functions:-
   i) $2x^3 - 3x^2y - bxy^2 - 17 = 0$
      (Find dy/dx)
   ii) $Y = Log (x + x^2 + 4)$
      (Find dy/dx)
   iii) $Y = f (x, w) = 3x - w^2$
      Where $x = g (w) = 2 w^2 + w + 4$
      (Find total derivative)
   i) For the production function
      $x = k^3 - 8 k^2 + 10 KL + 5 KL^2 - 3L^2$
      Find marginal productivities of labor and capital at $L = 2, K = 3$

Q NO.10

(a) Explain the concept of Jacobian Determinant with the help of suitable examples.
(Marks: 5+10+10)

(b) Find the extreme value of:
$Z = 20 x + 40 y - 2x^2 - 3y^2$
Subject to $4 x + 5 y = 26$
In this function a maxima or minima.

(b) Determine whether the following functions are homogenous. If so of what degree?
   i) $Z = xy$
   ii) $Z = 2 x + y + 3 xy$

———— *11* ————

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Subject:- **ECONOMICS** Paper:- 1 (Prev)

Micro Economic Theory

Time Allowed :- 3 Hours Max : Marks . 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –I is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff

Section-I (20 Marks)

Q. No .1 Attempt any twenty (20) questions from the following.

1. What is Marginal Utility?

2. Define concept of Economics.

3. Give one definition of Microeconomics.

4. What is Producer Surplus?

5. Define Demand Function?

6. MRS stands for what?

7. What is variable cost?

8. List 4 major kinds of markets.

9. Define Budget Line?

10. What is Market Equilibrium?

11. What is point of saturation?

12. Differentiate between demand and quantity demanded.

13. What is a real income?

14. What is law of increasing returns?

15. Why indifference curve do not cross (intersect)?

16. Define Normal Economic Goods?

17. What is market Supply?

18. What is pure competition?

19. What is normal loss?

20. What are the determinants of price Elasticity of demand.

21. What is short run cost?

22. Define Iso-quant?

23. Describe Diseconomies of Scale?

24. What is pure monopoly?

25. What is interest?

26. What is explicit cost?

27. What is Economic Efficiency?

28. What is Marginal Productivity of Labour?

29. What are substitutes, give examples?

30. Define income elasticity of demand?

Q.No.2 What concepts are included in Microeconomics? Give the importance and use of this subject in Pakistan?

Q.No.3 State and Explain Law of Demand. How a demand curve is different than a demand schedule. Show with supposed numbers and graphs.

Q.No.4 Give properties of indifference curves. Explain any two properties in detail.

Q.No.5 What is price elasticity of demand? How it is estimated. Give all kinds of elasticity of demand?

Q.No.6 What are the characteristics of pure competition? Explain profit maximization situation in the short run in pure competition.

Q.No.7 Define monopoly and give examples from Pakistan. How Monopoly can be regulated?

Q.No.8 What is difference between substitution effect and income effect? How these effects determine price effect?

Q.No.9 How demand and supply determine market prices? What happens if demand is increased and supply is constant?

Q.No.10 What is opportunity cost? What are the short-run and long-run cost concepts?

UNIVERSITY OF BALOCHISTAN, QUETTA
MA/MSc, (ANNUAL) EXAMINATION, 2014

Subject: ECONOMICS   PAPER: PREV:-III
Time Allowed: 3 hours   **Statistics & Basic Economics**   Max Marks:- 100

NOTE: ATTEMPT ANY FIVE QUESTIONS IN ALL INCLUDING QUESTION NO 1 WHICH IS
COMPULSORY. TIME FOR QUESTION NO 1 IS ONLY 40 MINUTES. AFTER 40 MINUTES PAPERS
SHOULD BE HANDED OVER TO THE SUPERVISORY STAFF (CALCULATOR AND TABLES ALLOWED).

SECTION-I (20-MARKS)
Time allowed: 40 minutes

Q1: ATTEMPY ANY 10
1. What is meant by measures of dispersion?
2. What is meant by measures of central tendency?
3. What is meant by probability distributions?
4. Distinguish between parameter and statistics
5. Distinguish between discrete probability distribution and continuous probability distribution.
6. Distinguish between probability and non probability sampling.
7. Distinguish between Type I and Type II errors.
8. Describe sampling error
9. Describe sampling distribution
10. Describe t test/t distribution
11. Describe chi square statistic
12. Describe Linear Regression Analysis
13. Describe cross section and time series data
14. Describe binomial statistics
15. Describe R square statistics.

SECTION-II (80-MARKS)
Time allowed: 2 hours 20 minutes
Attempt Any Five Questions CALCULATOR AND STATISTICAL TABLES ALLOWED)

Q.2. Marks obtained in statistics

57	58	51	52	56	76	23	55	62	63
65	23	78	88	23	51	23	65	23	64
78	25	84	74	55	84	25	78	25	67
41	44	62	75	56	23	88	41	44	55

Calculate mean, median, mode, variance and standard deviation.

Q.3. Write a detailed note on Probability Distributions (Discrete and Continous).

Q.4. A company selling franchises advertises that operations obtain, on average during the first year, a yield of 10% on their initial investments. A random sample of ten of these franchises produced the following yields for the first year of operation (in %): 6.1, 9.2, 11.5, 8.6, 12.1, 3.9, 8.4, 10.1, 9.4, 8.9
Assuming that population yields are normally distributed, test the company's claim.

Q.5. State bank of Pakistan has administered a Survey to private banks to gauge the satisfaction level of these banks about SBP. The scores on satisfaction survey for 20 banks (ten Conventional and ten Islamic) are as follows.
Conventional: 20, 25, 22, 23, 15, 25, 22, 23, 24, 19
Islamic: 25, 26, 24, 14, 13, 11, 15, 17, 24, 28
On the basis of this sample, at the 0.05 level of significance, can the SBP conclude that Conventional banks have a different level of satisfaction from Islamic banks satisfaction level?

Q.6. The data on variable X and Y is presented in the table below

X	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Y	8.1	7.8	8.5	9.8	9.5	8.9	8.6	10.2	9.3	10.5

Estimate the linear regression line and correlation coefficient (X= Independent and Y = Dependent). Test the hypothesis that there is no linear relationship between X and Y.

Q.7. The Scholastic Aptitude Test (SAT) is standardized to be normally distributed with a mean $\mu = 500$ and a standard deviation $\sigma = 100$. What is the probability of a score falling (a) Between 500 and 600? (b) Between 400 and 600? (c) Between 500 and 700? (d) Above 600? (e)Below 300?

Q.8. Write short notes on (a) Assumptions of linear regression (b) Binomial probability distribution (c) Index numbers (d) Hypothesis testing.

Q.9. For a sample of 100 honor students at a particular college, a sociologist determined year in school and willingness to help the school raise donations by making telephone calls to alumni. Using the following data, test the null hypothesis that willingness to help raise donations does not differ by year in school. What do your results indicate(alpha=.05)? (Chi Square Test)

Willingness to help	Year in college			
	Freshman	Sophomore	Junior	Senior
Willing	15	16	15	15
Unwilling	15	14	5	5

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2- If any candidate show / Marks his / her identity in the answer book , he / she will be disqualified for the said paper .

Subject:- **ECONOMICS** Paper:- **IV (Prev)**
Agricultural Economics (only for private)

Time Allowed :- 3 Hours Max : Marks : 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –I is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff.

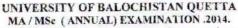## SECTION –I (OBJECTIVE PORTION 20 MARKS)

Q.No.1 Attempt any 20 questions.
1. Subsistence farming.
2. Cash crops
3. Intensive cultivation
4. Extensive cultivation
5. Water and logging
6. Kharif Crops
7. Per acre yield
8. Productivity
9. Rain fed land
10. Transformation
11. Green Revolution
12. Technological Change
13. Small Farmer
14. Rural development
15. Canal irrigation system
16. Economic holding
17. Share cropping
18. Labour intensive technology
19. Cooperating farming
20. Land tenure system
21. Feudal system
22. Informal credit
23. Subsidies
24. Agricultural growth
25. Social forestry
26. Karez system
27. White revolution
28. Live stock
29. Support price
30. Formal credit

SECTION –II(SUBJECTIVE PORTION 80 MARKS) TIME ALLOWED 2:20

Note:- Attempt any Four Questions.

Q.No.2 Discuss the changing role of agricultural sector in the economy of Pakistan.

Q.No.3 Per Acre yield has been increased in recent years explain the factors in the context of Pakistan.

Q.No.4 Farmer is born in debt, lives with debt and dies in debt comment.

Q.No.5 What is the role of agriculture sector in the industrial development of Pakistan.

Q.No.6 Discuss the role of Government in the agriculture marketing.

Q.No.7 Explain how existing land tenure system is counter productive for agriculture sector.

Q.No.8 Critically emulate the agriculture policy of Pakistan.

Q.No.9 Describe the main benefits of cooperative farming system.

Q.No.10 What is the role of Agricultural development in poverty alleviation in Pakistan.

◇◇◇◇◇◇◇

UNIVERSITY OF BALOCHISTAN QUETTA
MA / MSc (ANNUAL) EXAMINATION .2014.

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Subject:-   **ECONOMICS**   Paper:- **IV (Prev) New**
Macro Economics (For Regular Only)

Time Allowed :- 3 Hours   Max : Marks : 100

Note :- Attempt any Five Questions in All But Question No. 1- in section –1 is compulsory and the time for Section- I is only 40 Minutes. After Expiry of the Time paper should be handed over to the supervisory staff.

SECTION –I (OBJECTIVE PORTION 20 MARKS)

Q.No.1   Attempt any 20 questions.

1. Define a stock?

2. What is NI accounting?

3. Define mixed economy?

4. What is economic liberalism?

5. External variable?

6. Fiat money?

7. GNP?

8. GDP deflator?

9. Creeping inflation?

10. Deflation?

11 Recession?

12. List the phases of a trade cycle?

13. Discount rate?

14. "Demand creates its own demand" what this statement called?

15. Stock market?
16. Tight money policy?

17. Explain M1,M2 and M3?

18. Expansionary monetary policy?

19. Consumer price index?

20. crowding out concept?

21. Aggregate demand?

22. Bond?

23. Deficit of budget?

24. Economic growth?

25. Disinflation?

26. Net GDP?

27. Multiplier?

28. Speculative demand for money?

29. Supply shock?

30. Treasury bills?

Section 2.   80 Marks   Time allowed 2:20

Q.no 2 Define macroeconomics and its scope? Why it is called economics of aggregates?

Q.no 3 Give two methods to compute national income and discuss problems related them?

Q.no 4 critically describes the say's law of market?

Q.no 5 what will be the effects of rigid wages on classical model. if unemployment rises, how it can be removed with easy monetary policy?

Q.no 6 what is meant by "Investment multiplier" prove how a change in investment leads to multiple change in national income?

Q.no 7 Derive the long run aggregate supply curve, how far it differ from short run aggregate supply curve?

Q.no 8 Discuss the following effects on Keynesian model (a) Supply of labor changes (b) Supply of money changes.

Q.no 9 what do you know about "Absolute Income "Theory of consumption?

Q.no 10 Differentiate between MEC and MEI, explain the process whereby the capital stock reaches to its optimal level?

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SUBJECT: --   **ECONOMICS**   (Previous) IV _Prev_

Econometrics I

Time Allowed: _ 3 Hours.   Max Marks: 100

Note: Attempt any five questions in All, Question No. 1 in Section -- 1 is compulsory. The time for Section -- I is only 40 Minutes. After Expiry of the Time, Paper should be handed over to the supervisory staff.

SECTION -- I (MARKS 20)   Time 40 Minutes.

Q.No 1 Attempt any 20 Questions. All questions carry equal marks.

1) Define Econometrics
2) Define Regression line
3) Define Correlation analysis
4) Define Regressand
5) Define Nominal scale
6) Define PRL
7) Define Estimator
8) Define Interval estimation
9) Define Coefficient of Determination
10) Define TSS
11) Define Type 1 error
12) Define Null and Alternate hypothesis
13) Define Statistically Significant value.
14) Define F test
15) Define Pooled regression
16) Define ANVOA
17) Define Seasonal Adjustment
18) Differentiate between Nested and Non Nested model
19) Define GARCH
20) Define Homoscedasticity
21) Define Probability distribution.
22) Define Autocorrelation
23) Define Hypothesis
24) Define Extrapolation
25) Define Dummy variable
26) Define Concurrent Regression
27) Define Reciprocal Models
28) Define Degree of freedom.
29) Define Multicollinearity
30) Define CLRM

SECTION -- II (MARKS 80)

Time 2: 20 hours.

Attempt any Four Questions. All questions carry equal marks. Draw graphs and diagrams where required. Z and F tables should be provided to students.

Q2): a) Differentiate between Mathematical and Econometric model.

6

b) Explain the method of OLS?

6

c) Explain the properties of least square estimators

8

Q3): a) Define and explain regression analysis in detail.

10

b) What do you know about the types of data and meaurement s scales of variable ?

10

Q 4): a) what do you know about multicollinearity? How multicollinearity is detected and explain its remedial measures.

20

Q5): a) What is model specification error? Explain Ramsey's RESET Test.

12

b) What do you know about AIC and SIC?

8

Q6): Differentiate between homoscedasticity and heteroscdasticity? How heteroscedasticity is detected?

20

Q7): What do you know about the nature of autocorrelation and how autocorrelation is detected? 20

Q8):   When in correct adjustment, the specifications for a filling mechanism require the average fill amount for all containers to be 14g. The specifications also state the variability of fill per container is given by a standard deviation of 0.3g.

The manufacturer is concerned the average fill amount delivered by the mechanism may have changed from 14g. To test this, a sample of 42 containers is randomly selected and a sample mean of 13.97g is found.

a) Using a 2% level of significance, can the manufacturer conclude the average fill amount delivered by the mechanism has shifted away from the required specification?   6

b) If it were somehow known the actual mean fill content the mechanism was delivering was really 13.9g, and not 14g, what error (if any) has been made based on the hypothesis test using the sample?   (Note : use critical value approach)   6

c) In a one-factor ANOVA, there are 3 independent samples, with n1 = 8, n2 = 10 and n3 =7. Set up the appropriate hypothesis test. The calculated F-statistic is F = 3.95. At the 0.05 level of significance, what conclusion can be reached? (Be sure to use the 5 step procedure to set out the problem).

8

Q9): Write short notes on the following

   a. Differentiate between OLS and GLS.
   b. Explain White's General heteroscedasticity test.   5
   c. Explain the types of specification error.   5
   d. Dummy variable   5

5

Q10): Labour economics suggests that among many variables education is an important determinant of wages. The data on hourly wages and years of schooling is given below

Wages :	4.45	5.77	5.98	7.35	7.32	6.60	7.82
schooling:	6	7	8	9	10	11	12

a) Construct an equation.
b) Find the values of the parameter.   3
c) Find the variance and standard error of the parameters.   7
d) Find r^2 and interpret your results.   4

6