

**MA Economics Previous  
Annual Examination 2020**

**Paper: Micro Economics Theory**

Total Marks    100  
Pass Marks     40

Time Allowed    04:00 hrs

**Note:** Attempt any five questions. All questions carry equal marks

Q. No.	Question/Statement	Marks
Q. 1	Elucidate in detail types of consumer surplus with the help of diagram w.r.t Hicks philosophy.	
Q. 2	Explain in detail the production theory and critically evaluate main points of the theory.	
Q. 3	Write a note on practical importance of consumer behavior in economics.	
Q. 4	Define equilibrium . Elaborate general equilibrium with the help of diagram in detail.	
Q. 5	Explain in detail the law of diminishing marginal utility with the help of schedule and diagram.	
Q. 6	Define law of demand. Explain the elasticity of demand in detail.	
Q. 7	Explain welfare economics and its consequences in detail.	
Q.8	<b>Write Short Note on the Following.</b> a. Perfect competition with example, b. Price effect under imperfect competition, c. Market organization.	

MA Economics Final  
Annual Examination 2020

Paper: Econometrics

Time Allowed 04:00 hrs

Total Marks 100  
Pass Marks 40

**Note: Attempt any five questions. All questions carry equal marks**

**Q. 1** Define Econometrics? Elucidate the stages of econometrics with examples.

**Q. 2** Following is the data of employee motivation and their performance in a public sector organization, calculate co-efficient of correlation. Also interpret the results.

Employee Motivation	20	25	30	35	40	45	50	55	60	65
Performance	12	14	16	18	20	22	24	26	30	35

**Q. 3** From the data given below of income and consumption, Calculate estimated regression line and co-efficient of determination.

Income	80	100	120	140	160	180	200	220	240	260
Consumption	55	63	75	81	93	105	117	127	140	165

**Q. 4** Define multicollinearity? Explain its consequences, causes, detection and solution to the problem.

**Q. 5** Define heteroscedasticity? Explain its consequences, causes and detection.

**Q. 6** Define Autocorrelation? Elucidate its consequences, reasons. Also explain Durbin Watson Statistics.

**Q. 7** Elucidate Spear's Man Rank correlation with formula, Ordinary Least square and Co-efficient of determination.

**Q. 8** Write note on the following.

- BLUE properties
- Simple Linear Regression
- Correlation and its types.

**MA Economics Final  
Annual Examination 2020**

Time Allowed 04:00 hrs

Paper: **Development Economics**

Total Marks 100  
Pass Marks 40

**Note:** Attempt any five questions. All questions carry equal marks

Q. No.	Question/Statement	Marks
Q. 1	Define developing economies. Elaborate the steps used to uplift developing economies to developed economies.	
Q. 2	Elucidate the traditional measures of economic development also explain the pros and cons of traditional measures of economic development.	
Q. 3	Define poverty. Explain vicious circle of poverty and its effects on economy.	
Q. 4	Elaborate the problems of high growth population rate and how it can be used as a source of economic development.	
Q. 5	Explain the linear stages and the structural change models of economic growth.	
Q. 6	Explain the problems in developing the economy of ASIA.	
Q. 7	Explain traditional economics, contemporary economics and political economics.	
Q.8	<b>Write short note on the following.</b> a. Developing Nations b. Third world Nations c. Micro economic household theory of fertility	

MA Economics Previous  
Annual Examination 2020

Paper: Public Finance and Monetary  
Economics

Total Marks 100

Time Allowed 04:00 hrs

Pass Marks 40

**Note:** Attempt any five questions. All questions carry equal marks

Q. No.	Question/Statement	Marks
Q. 1	Define budget deficit. Explain in detail the methods governments use for removing budget deficit.	
Q. 2	Define public finance. Explain the branches of public finance in detail.	
Q. 3	Write a note on monetary economics and its influences on economy.	
Q. 4	Explain the role and characteristics of money in economic system.	
Q. 5	Explain the functions and importance of commercial banks.	
Q. 6	Define public revenue. Differentiate public revenue and public expenditure with the help of examples.	
Q. 7	Explain the fiscal policy and its role in improving the economic system of country.	
Q.8	<b>Write short note on the following.</b> a. Deficit financing, b. evolution of money, c. Economic system.	



**MA Economics Final  
Annual Examination 2020**

Time Allowed 04:00 hrs

Paper: The Economy of Pakistan

Total Marks 100  
Pass Marks 40

**Note: Attempt any five questions. All questions carry equal marks**

- Q. 1** Define agriculture income? How agriculture sector of Pakistan helps in boosting Pakistan economy.
- Q. 2** Define industry? Elucidate the role of industries in developing the economy of under developed countries.
- Q. 3** Elucidate the economic policies and planning with respect to Pakistan economy.
- Q. 4** Explain in detail the solutions for eliminating the foreign debts of Pakistan.
- Q. 5** Define trade? Explain the role of international trade in enhancing the foreign reserves.
- Q. 6** Explain the role of Pakistan geography in attracting international investors to boost the economy.
- Q. 7** Explain in detail the theories relevant to boost the economy of Pakistan.
- Q. 8** Write note on the following.
- a. Role of Natural Resources in economy
  - b. International VS Domestic Trade
  - c. Ideological structure of Pakistan Economy.

**M.A Economics Previous  
Annual Examination 2020**

**Paper: Mathematics for Economist**

Total Marks 100  
Pass Marks 40

Time Allowed 04:00 hrs

**Note: Attempt any five questions, all questions carry equal marks.**

- Q No. 1:** (a) What is Marginal Propensity to Consume (MPC) ?  
(b) In a basic Keynesian Macroeconomic model it is assumed that  $Y=C+I$ , where  $I=250$  and  $C=0.75 y$ . What is the equilibrium level of  $Y$ ?

What increase in  $I$  would be needed to cause  $Y$  to increase to 1200?

- Q No. 2:** (a) Differentiate the following functions.

(i)  $f(x) = \frac{x^{\ln x} - 1}{x + 1}$

(ii)  $Y=(x)^{\ln x}$

- (b) Find  $\frac{dy}{dx}$  when

(i)  $x^3 + y^3 = 3axy + k$

(ii)  $\sqrt{x} + \sqrt{y} = a$

- Q No. 3:** (a) (i) Given that  $TR=80q - 2q^2$ , derive a function for MR.  
(ii) What is the slope of the function  $Y = 4x^2$ , when  $x = 8$ ?

- (b) Given the demand function  $Q = 200 - 4P$ ,  
Derive the inverse demand function.

- (c) What is point elasticity when price is 12 for the Demand Function  $P= 60 - 3q$ ?

- Q No. 4:** (a) Solve the following system of equations:

(i)  $x+y+z = 1$

(i)  $x - y = 7$

$x+y-2z = 3$

$x^2+3xy+y^2 = -1$

$2x+y+z = 2$

- (b) (i) Discuss Linear Dependence of vectors with examples.

- (ii) What is first derivative test? Find the critical value of

$f(x) = 8x^3 - 3x^2 + 5$

- Q No. 5:** (a) (i) If  $f(x,y) = \sin x \sin y$ , show that  $f_{xx} + f_{yy} = -1$

- (ii) Find partial derivative w.r.t 'x', when  
 $z = (x^2+2xy)(5 - 6xy)$

- (b) A firm faces the production function  $Q = 120L + 200K - L^2 - 2K^2$  for positive value of  $Q$ . It can buy  $L$  at £5 a unit and  $K$  at £8 a unit and has a budget of £70. What is the maximum output it can produce?

Q No. 6:

- (a) Draw the graphs of following functions:  
 (i)  $Y = -|x|$  (ii)  $y = 4x^2 + x + 1$

- (b) Evaluate the following:

(i)  $\int_1^3 (20 + 4x)$  (ii)  $\int_2^5 \ln x dx$

Q No. 7:

- (a) Discuss Equilibrium Analysis in Economics in details.

- (b) Evaluate (i)  $\int \sin^5 x \cdot \cos x dx$

(ii)  $\int \frac{dx}{e^x + e^{-x}}$

Eco-P-94/20 - MA

A/MA/20/ULM

**MA Economics Final  
Annual Examination 2020**

Time Allowed    04:00 hrs

Paper:    **Managerial Economic**

Total Marks    100  
Pass Marks    40

**Note:** Attempt any five questions. All questions carry equal marks

Q. No.	Question/Statement	Marks
Q. No 1.	Define Managerial Economics and explain the importance of Managerial Economics decisions in organizational success.	
Q. No. 2.	Explain in detail individual and market demand function with the help of schedule and curve with an example?	
Q. NO. 3	A. Explain the various types of elasticity of demand. B. If the price of a commodity increase from Rs. 25 to Rs, 35 units and the demand decreases from 150 units to 100 units find out the price elasticity of demand for the commodity.	
Q. No 4	Elucidate two major managerial economics theories and their relative importance.	
Q. No 5	Define capital budgeting? Discuss the various techniques of capital budgeting in detail with formulae.	
Q. No 6	Elucidate the pricing strategies and their influence on organizational profits.	
Q. No. 7	Explain in detail the importance of mathematical and econometric tools in managerial economics.	



MA Economics Previous  
Annual Examination 2020

Paper: Macro Economics Theory

Time Allowed 04:00 hrs

Total Marks 100  
Pass Marks 40

**Note:** Attempt any five questions. All questions carry equal marks

Q. No.	Question/Statement	Marks
Q. 1	Elucidate in detail the concept of national income. How it can be measured?	
Q. 2	Explain in detail the characteristics of developed and developing economies.	
Q. 3	Evaluate the monetary and fiscal policy of Pakistan and its drawbacks.	
Q. 4	Explain state bank and its functions w.r.t economy of Pakistan.	
Q. 5	Explain the causes of unemployment and elucidate the remedial actions to reduce unemployment.	
Q. 6	Define inflation. Explain various types of inflation and its consequences.	
Q. 7	Define money? Explain the functions of money in the modern world.	
Q. 8	<b>Write short note on the following.</b> a. Characteristics of Money, b. Investment Multiplier, c. Gross Domestic Production.	

**MA Economics Final  
Annual Examination 2020**

**Paper: Agriculture Economics**

Total Marks 100  
Pass Marks 40

Time Allowed 04:00 hrs

---

**Note: Attempt any five questions. All questions carry equal marks.**

- Q1.** Define agriculture economics. Explain the role of agriculture products in Pakistan economy.
- Q2.** How Pakistan can get competitive advantage in world economy through agriculture cultivation.
- Q3.** Elucidate the reasons of low-level agriculture productivity and its influence on economic decline.
- Q4.** How farmers can adopt agriculture marketing strategies for higher returns.
- Q5.** Elucidate the government strategies to enhance cultivation of cash crops of Pakistan.
- Q6.** Elaborate the impact of global warming on agriculture economics.
- Q7.** Explain the role of government subsidy in farmers and agriculture growth.
- Q8.** Explain the agriculture transportation issues from the place of production to ultimate market.

**MA Economics Final  
Annual Examination 2020**

**Paper: International Economics**

Time Allowed 04:00 hrs

Total Marks	100
Pass Marks	40

**Note: Attempt any five questions. All questions carry equal marks**

- Q. 1** How International trade is useful in achieving the target of Economics Development?
- Q. 2** What is the difference between balance of payment and balance of trade. What are the main causes of adverse balance of payment?
- Q. 3** What do you know about foreign Exchange Market and open economy briefly highlight the problems arising in international trade.
- Q. 4** Explain in detail purchasing power parity theory? Exchange rate.
- Q. 5** Highlight the operation of Multi-National Co-operation and risk of Economic Collapse.
- Q.6** Explain in detail the Anti-Dumping policy is useful or not for the development of any country support your answer with proper arguments.
- Q.7** Briefly explain technical and administrative trade barriers hampers economics development.
- Q.8** Write note on the following.
- a. International Capital Movement
  - b. Remedies for adverse balance of payment
  - c. Commercial Policy

MA Economics Previous  
Annual Examination 2020

Paper: Basic Statistics and Research  
Methodology

Total Marks 100

Pass Marks 40

Time Allowed 04:00 hrs

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

Q. No.	Question/Statement	Marks
--------	--------------------	-------

- Q No. 1:**
- (a) Differentiate between the terms Classification and Tabulation.
  - (b) For the data given below calculate Arithmetic Mean, Median and Mode.

Weights	0—10	10—20	20—30	30—40	40—50	50—60	60—70
Frequency	5	8	11	15	11	8	5

- Q No. 2:**
- (a) Define Index Number, its types and steps involved in the construction of Index Number.
  - (b) Show that Fisher's ideal Index number satisfies both the Time Reversal Test and Factor Reversal Test.

- Q No. 3:**
- (a) What is Time Series? Write down its components in detail. What do you think that which Variation cannot be controlled by proper planning?

- (b) For the data given below:

Years	1960	1961	1962	1963	1964	1965	1966	1967
Prices	35	39	45	56	61	73	79	90

Calculate: (i) 2 years moving average      (ii) 3 years moving average

- Q No. 4:**
- (a) Write a General procedure of testing of hypothesis for the mean of Normal Population with unknown Variance and small sample size.
  - (b) Twelve young recruits were put through a strenuous physical programme, their weights were recorded before and after the training. Use 0.05 level of significance to test the hypothesis that the training programme effects the weights of the recruits.

Weights before	125	195	160	171	140	201	170	176	195	139	165	190
Weights after	136	201	158	184	145	195	175	190	190	145	165	185



Q No. 5: (a) In one way ANOVA show that

Total Sum of Squares = Treatment Sum of Squares + Error Sum of Squares

(b) The scores obtained by the students of three different teachers are given below: test the hypothesis that all the three teachers are equally able. (Use  $\alpha = 0.05$ )

Muhammad	44	50	40	60	44
Khalid	35	39	45	56	61
Umar	38	46	41	53	50

Q No. 6: (a) Differentiate between the terms Regression and Correlation, give examples from daily life to support your answer.

(b) Calculate the Correlation Co-efficient for the following data and interpret your result.

X	10	12	14	18	21	25	30	33
Y	38	46	41	53	50	55	70	65

Q No. 7: Write a note on any four of the following.

- Probability and Non-probability Sampling
- Standard Deviation and Standard Error
- LSD test
- Type-I and Type-II Error
- Advantages of Sampling
- Power of the Test

Eco-P-95/20 - MA  
A/MA/20/ULM