



First Term-2072

Grade: XI
Time: 3:00 hrs.

Subject: Economics

F.M.:100
P.M.:40

Set A

Attempt all questions

Group A

1. Define statistics. Explain its different functions. [4+6]

2. a. Construct suitable bar diagram to present the production of different food grains in different year [5]

Year	Production in 000 MT		
	Paddy	Wheat	Maize
2012	250	175	190
2013	320	150	170
2014	300	225	150

b. Solve the following equations: [5]

$$\frac{x-5}{3} = \frac{3y+11}{2} = \frac{x+4y-1}{3}$$

3. Attempt **any two**. [2×5=10]

a. Find the equilibrium prices and quantities for a two commodity market model when,
 $D_1 = 10 + P_2 - P_1$, $S_1 = 6 + P_1 + 2P_2$
 $D_2 = 12 + 2P_1 - P_2$, $S_2 = 19 + 3P_1 - 5P_2$

b. Find equation of straight line which passes through the point (3, 5) and whose intercepts on the axes are equal in magnitude but opposite in sign.

c. Simplify:
$$\frac{\left(x^2 - \frac{1}{y^2}\right)^p \left(x - \frac{1}{y}\right)^{q-p}}{\left(y^2 - \frac{1}{x^2}\right)^q \left(y + \frac{1}{x}\right)^{p-q}}$$

Group B

4. Explain the scarcity and choice definition of economics. Why the definition is superior to other definitions of economics? Give your logic. [7+3]

5. Define micro and macro economics. Explain the differences between them? [4+6]

6. Answer any **two** questions: [2×5=10]
 a. Concept of positive and normative economics
 b. Wealth definition of economics.
 c. Role of economic analysis in policy formulation

Group C

7. What are the causes of high environmental pollution in Nepal? Explain the consequences of high environmental pollution. [5+5]

8. Answer any **four** questions: [4×5=20]
 a. Explain importance of forest resource for overall development of Nepal.
 b. Discuss about potentiality of water resource in Nepal.
 c. Describe the problems of mineral resource development of Nepal.
 d. What are the main causes of high deforestation in Nepal? Explain
 e. Prescribe remedial measures to control high environmental pollution in Nepal.
 f. Explain roles of mineral resource in Nepal.

9. Answer following questions: [5×2=10]
 a. State the types of natural resources.
 b. State the current position of hydro electricity generation in Nepal.
 c. Write any four consequences of high deforestation in Nepal.
 d. What do you know about environmental pollution?
 e. Define natural resource management.

Best of Luck



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Set B

Attempt all questions

Group A

1. Define statistics. Explain the importance of statistics in economics. [4+6]
2. a. Represent the following data related with monthly expenditure of a family through an angular diagram: [5]

Items	Monthly Expenditure (Rs '000)
Food	50
Cloths	20
Education	10
Rent	30
Others	40

- b. Solve the following equations:
 $\frac{x}{2} - \frac{y}{3} = 1, \frac{x}{3} - \frac{y}{2} = 1.$ [5]
3. Answer any **two** questions. [2×5=10]
 - a. If $2^x = 3^y = 12^z$, prove that: $\frac{1}{z} - \frac{1}{y} = \frac{2}{x}$.
 - b. If the demand and supply functions are given by the equation $D = 19 - 3P - P^2$ and $S = 5P - 1$ respectively, find the equilibrium price and quantity.
 - c. Find the equation of straight line whose x and y -intercepts are respectively twice and thrice of the line $5x + 3y = 15$.

Group B

4. Critically examine welfare centered definition of economics. [10]
5. What do you know about scope of economics? Explain about subject matter of economics. [2+8]
6. Answer any **two** questions [2×5=10]
 - a. Criticisms of wealth definition of economics.
 - b. Difference between micro and macro economics.
 - c. Nature of economics.
7. What are the importances of forest resource for overall development of Nepal? Mention the causes of high deforestation in Nepal. [5+5]

Group C

8. Answer any **four** questions: [4×5=20]
 - a. Explain importance of water resource in Nepal.
 - b. Discuss about consequences of high deforestation in Nepal.
 - c. Describe the problems of mineral resource development in Nepal.
 - d. How high environmental pollution in Nepal can be controlled? Give your logic.
 - e. Explain major causes of high environmental pollution in Nepal.
 - f. Discuss about prospects of water resource in Nepal.
9. Answer following questions: [5×2=10]
 - a. Define natural resources.
 - b. What are necessary conditions to generate hydroelectricity?
 - c. Prescribe any four remedial measures to control high deforestation in Nepal.
 - d. What do you know about environment?
 - e. What is natural resource management?

Best of Luck