



First Term-2071

Grade: XI  
Time: 3 Hrs.

Subject: Economics

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

Set A

Attempt all questions

Group A

1. Distinguish between primary and secondary data. Discuss various methods of collecting primary data. [2+8]
2. a. Explain the importance of statistics in economic analysis. [5]  
b. Find the equation of the straight line whose intercepts on the  $x$ -axis and the  $y$ -axis are respectively twice and thrice of the line  $10x + 9y = 15$ . [5]
3. Attempt any **four**. [4×5=20]
  - a. If  $a^{1/x} = b^{1/y} = c^{1/z}$  and  $abc = 1$ , prove that:  $x + y + z = 0$ .
  - b. What are the three standard forms of equations of a straight line? Find the slope of a straight line  $\frac{x}{a} + \frac{y}{b} = 1$ .
  - c. Solve:  $\frac{2x-3y}{21} = \frac{x-11}{8} = \frac{y+3\frac{1}{2}}{20}$ .
  - d. Solve:  $x^3 + y^3 = 9$ ,  $x + y = 3$ .
  - e. Find the equilibrium price and quantities for two commodity market model  
 $xd_1 = 3p_1 - p_2 + 20$ ,  $xs_1 = 3p_2 - 10$ ,  
 $xd_2 = p_1 - 3p_2 + 50$ ,  $xs_2 = -3p_1 + 45$ ,

Group B

4. Critically explain the Marshall's definition of economics. [10]
5. Answer any **two** questions: [2×5=10]
  - a. Explain the subject matter of economics.
  - b. Distinguish between positive and normative economics.
  - c. What are the characteristics of wealth definition?

Group C

6. Answer any **four** questions: [4×5=20]
  - a. Explain the problems of mineral resources development in Nepal.
  - b. What are the consequences of deforestation? Explain them.
  - c. Write about potentiality of hydro-electricity in Nepal.
  - d. Describe the role of forest resources in economic development of Nepal.
  - e. Suggest some valuable measures for Natural Resource Management.
7. Explain the causes and consequences of environmental pollution in Nepal. [10]
8. Write short answer of **all** questions: [5×2=10]
  - a. Mention four importances of mineral resources in Nepal.
  - b. Give any four suggestions to control deforestations.
  - c. What is meant by environment?
  - d. Mention the types of Natural Resource.
  - e. Write any four causes of deforestation.



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Set B

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Group A

1. What do you mean by statistics? Describe the importance and limitations of statistics. [2+4+4]
2. a. Distinguish between Census method and Sample method of data collection. [5]  
b. Find the equation of the straight line which passes through the point (3,1) and makes intercepts on the axes the difference of whose length is 4. [5]
3. Answer any **four** questions. [4x5=20]

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

- b. Find the slope and y intercept from the following equation of a straight line.  $3x - \sqrt{3}y = 3\sqrt{3}$
- c. Find the values of  $x$  and  $y$  from the following equations.  
 $\frac{x+1}{y+1} = \frac{3}{4}$  and  $\frac{x-1}{y-1} = \frac{2}{3}$
- d. Solve:  $x^3 + y^3 = 91$ ,  $xy(x+y) = 84$
- e. Find the equilibrium prices and quantities from the following demand and supply functions of two commodities  
 $D_1 = 10 - P_1 + P_2$ ,  $S_1 = 6 + P_1 + 2P_2$ ,  
 $D_2 = 12 + 2P_1 - P_2$ ,  $S_2 = 19 + 3P_1 - 5P_2$ ,

Group B

4. Critically explain Robbin's definition of economics. [10]
5. Answer any two questions [2x5=10]
  - a. What are the criticisms of wealth definition of economics?
  - b. Distinguish between micro and macro economics.
  - c. "Economics is not only a science but also an Art." Justify.

Group C

6. Answer any **four** questions: [4x5=20]
  - a. Explain the current situation of water resources in Nepal.
  - b. Explain the consequences of environmental pollutions.
  - c. Discuss the problems of water resources development in Nepal.
  - d. Explain the causes of rapid deforestation of Nepal.
  - e. What are the importances of mineral resources for the economic development of Nepal? Explain them.
7. What is environment? Highlight the causes of environment pollution in developing and least developed countries. [2+8]
8. Write short answer of **all** questions. [5x2=10]
  - a. What is meant by natural resource management?
  - b. Give any four suggestions for environment management.
  - c. What are the major mineral resources of Nepal?
  - d. Mention four importances of water resources.
  - e. Write the economic importance of bio-diversity.