



First Term Exam – 2070

Subject: Economics

F.M.: 100

P.M.: 40

Grade: XI  
Time: 3 hrs.

Set A

Group – A

1. Define primary and secondary data. Explain various methods of primary data collection. [4+6]
2. i. If  $2^x = 3^y = 12^z$ , Prove that:  $\frac{1}{z} - \frac{1}{y} = \frac{2}{x}$  [5]  
 ii. Solve:  $\sqrt{\frac{x}{y}} + \sqrt{\frac{y}{x}} = \frac{5}{2}$ ,  $x + y = 3$  [5]
3. Answer **any two**: [2×5=10]
  - i. What do you know about reliability of secondary data?
  - ii. If demand and supply functions of two commodities A and B are;  
 $D_A = 10 - P_A - 2P_B$        $D_B = 6 - P_A - P_B$   
 $S_A = -33 + P_A + P_B$        $S_B = -2 + P_B$   
 $P_A$  and  $P_B$  denote the price of A and B respectively. Find the equilibrium prices and quantities exchanged in the market.
  - iii. What are three standard forms of equation of a straight line? Find the slope of a straight line whose equation is  $\frac{x}{a} + \frac{y}{b} = 1$ .

Group – B

4. Critically examine Robbins' definition of Economics. [10]
5. Write short notes (**any two**) [2×5=10]
  - i. Material welfare definition of economics.
  - ii. Concept of positive and normative economics.
  - iii. Differences between micro economics and macro economics.

Group – C

6. Answer **any six** questions [6×5=30]
  - i. Explain about importance of water resource for overall development of Nepal.
  - ii. Describe the consequences of high deforestation in Nepal.
  - iii. Discuss about the problem of mineral resource development in Nepal.
  - iv. What are the causes of high environmental pollution in Nepal? Explain.
  - v. How high environmental pollution of Nepal can be controlled? Give your opinion.
  - vi. Explain about current situation of water resource development in Nepal.
  - vii. Describe remedial measures to control the high rate of deforestation in Nepal.
7. What is environmental pollution? Explain about the consequences of high environmental pollution. [2+8]
 

OR

 What is the potentiality of water resources in Nepal? Why is there not well utilization of water resource in Nepal? Give your logic. [5+5]
8. Write short answer of **all** questions: [5×2=10]
  - i. What is environment?
  - ii. What are types of natural resources?
  - iii. Define natural resources management.
  - iv. State any four importance of forest resource.
  - v. What are necessary conditions to generate hydro electricity?



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**Set B**

Group – A

1. Define Statistic. Explain its function. [4+6]
2. i. Prove:  ${}^{l+m}\sqrt{\frac{x^{l^2}}{x^{m^2}}} \cdot {}^{m+n}\sqrt{\frac{x^{m^2}}{x^{n^2}}} \cdot {}^{n+l}\sqrt{\frac{x^{n^2}}{x^{l^2}}} = 1$  [5]
- ii. Solve:  $\frac{x^2}{y} + \frac{y^2}{x} = 18, \quad x + y = 12$  [5]
3. Answer **any two** [2×5=10]
  - i. What are the sources of secondary data?
  - ii. If demand and supply functions of two commodities are given as  
 $D_1=10-P_1+P_2, \quad S_1=6+P_1+2P_2,$   
 $D_2=12+2P_1-P_2, \quad S_2=19+3P_1-5P_2,$   
 Find the equilibrium price and quantities exchanged in the market.
  - iii. Find the equation of a straight line passing through the points (h, 0) and (0, k) . If the point (3, 3) lie on the same line , Prove that:  
 $\frac{1}{h} + \frac{1}{k} = \frac{1}{3}$

Group –B

4. Explain the Neo-classical definition of economics. What are its criticisms? [7+3]
5. Write short notes (**any two**) [2×5=10]
  - i. Wealth definition of economics.
  - ii. Subject matter of economics.
  - iii. Use of economic analysis in policy formulations.

Group – C

6. Answer **any six** questions: [6×5=30]
  - i. Explain about the causes of high deforestation in Nepal.
  - ii. Write about potentiality of water resource in Nepal.
  - iii. Describe the importance of mineral resource in Nepal.
  - iv. Discuss about the consequences of high environmental pollution.
  - v. Describe the remedial measures to control high environmental pollution in Nepal.
  - vi. Describe the negative impacts of high deforestation in Nepal.
  - vii. How mineral resource of Nepal can be used properly? Give your opinion.
7. 'Water resource of Nepal can play significant role for overall Socio-economic development of the nation comment on this statement. [10]
 

OR

 Describe the importance of forest resource. Explain measure to control high deforestation in Nepal. [5+5]
8. Write short answers of **all** questions [5×2=10]
  - i. What is meaning of natural resource?
  - ii. What is meaning of environmental pollution?
  - iii. State any four importance of water resource.
  - iv. Define natural resource management.
  - v. State any four problems of water resources development in Nepal.