



Second Term-2072  
Subject: Economics

Grade: XI  
Time: 3:00 hrs.

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

Candidates are required to give their answers in their own words as far as practicable.  
The figure in the margin indicates full marks.

Set A  
Group A

1. Define primary and secondary data. Explain the various methods of primary data collection. [4+6]
2. Answer following questions [2×5=10]
  - a. Represent the following data by angular diagram:

Faculty	Science	Management	Humanities	Education	Forestry	Others
No. of students	230	425	115	320	90	50

- b. Calculate suitable average from following data:

Marks	No. of Students
Below 10	3
10-20	12
20-30	8
30-40	15
40-50	25
50-60	20
60-70	12
70-80	8
80-90	3
Above 90	2

3. Solve following questions (Any two) [2×5=10]
  - i. Find the equation of straight line passing through the point (2, 2) such that the sum of its intercepts on the axes is 9.
  - ii. If  $2^x = 3^y = 12^z$ , prove that:  $\frac{1}{z} - \frac{1}{y} = \frac{2}{x}$
  - iii. Solve the following equations:
 
$$x^3 + y^3 = 91$$

$$xy(x + y) = 84$$

Group B

4. Critically explain the Lionel Robbins Modern definition of economics. [10]
5. Write short notes (Any two) [2×5=10]
  - a. Micro and macro economics
  - b. Meaning of allocation of resources and its problems
  - c. Concept of PPC

Group C

6. Answer following questions (Any Six) [6×5=30]
  - i. Describe the importance of water resource of Nepal for overall development of the nation.
  - ii. Explain the major causes of high deforestation in Nepal.
  - iii. Discuss about the problems of mineral resource development in Nepal.
  - iv. Prescribe the remedial measures to control high environmental pollution of Nepal.
  - v. State the current situation of population of Nepal.
  - vi. Describe the consequences of high population growth.
  - vii. Explain the major features of Nepalese agriculture.
  - viii. Discuss about the major sources of agricultural finance in Nepal.

7. Define human resource. Explain the importance of human resource. [2+8]
 

Or

What is agricultural marketing? Explain the nature and problems of agricultural marketing of Nepal. [2+4+4]

8. Answer following questions [2×5=10]
  - a. Define natural resource.
  - b. What is meaning of environmental pollution?
  - c. Define HDI.
  - d. State the importance of mineral resource.
  - e. Define natural resource management.



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Set B  
Group A

- Define sampling method of data collection. Explain the various methods of sampling. [2+8]
- Answer following questions [2×5=10]

a. Represent the following data by suitable bar diagram:

Year	Production of Grain (in 000T)			Total
	Paddy	Wheat	Maize	
2012	125	220	180	525
2013	140	150	200	490
2014	160	200	190	550
2015	150	190	170	510

b. Calculate arithmetic mean from following data:

Marks	No. of Students
0-10	12
10-20	20
20-30	8
30-40	25
40-50	15
50-60	10
60-70	6
70-80	8
80-90	5
90-100	3

- Solve following questions (Any two) [2×5=10]
  - Find the equation of the straight line which passes through the point (2, 5) and its y-intercept is 4 times greater than that of x-intercept.

- Simplify: 
$$\frac{\left(x^2 - \frac{1}{y^2}\right)^p \left(x - \frac{1}{y}\right)^{q-p}}{\left(y^2 - \frac{1}{x^2}\right)^q \left(y + \frac{1}{x}\right)^{p-q}}$$
- Solve the following equations:  
$$\frac{x-5}{3} = \frac{3y+11}{2} = \frac{x+4y-1}{3}$$

Group B

- Explain the material welfare definition of economics. What are its criticisms? [7+3]
- Write short notes (Any two) 2×5=10 [2×5=10]
  - Positive and normative economics
  - Concept of scarcity and choice
  - Meaning of PPC and shift of PPC

Group c

- Answer following questions (Any Six) [6×5=30]
  - Describe the problems of water resource development in Nepal.
  - Prescribe the remedial measures control high deforestation in Nepal.
  - Discuss about the importance of mineral resource in Nepal.
  - Explain the major consequences of high environmental pollution of Nepal.
  - Describe the current position of population of Nepal.
  - Explain the potentiality of water resource in Nepal.
  - Explain the importance of Nepalese agriculture.
  - Discuss about the major problems of agricultural marketing in Nepal.
- Explain the characteristics of Nepalese agriculture in detail. [10]  
Or  
What are the main causes of high population growth in Nepal? Explain the consequences of high population growth. [5+5]
- Answer following questions [2×5=10]
  - What are the types of natural resource?
  - What do you know about meaning of environment?
  - State the major indicators of human development.
  - State the importance of forest resource.
  - What are the sources of agricultural finance in Nepal?