

# Economics – XI (2073)

## SET - I

*Examinees are required to organize their answers in their own words as far as feasible. The outlines in the right sides point out full marks.*

Full Marks: 100

Pass Marks: 40

Time: 3 hrs

*Attempt ALL questions.*

### Group – A

1. Define scarcity and choice. Explain allocation of resources. (3 +7)
2. What are the determinants of demand? (5)

Or

Explain shift in supply curve with its causes. (5)

Answer all questions from Q.3 to Q.7 (5×2=10)

3. What is macroeconomics?
4. State the law of supply.
5. Define normal and Giffen goods.
6. What is Capital?
7. Define positive economics.

### Group – B

Answer any Four questions from Q.8 to Q.12 (4×5=20)

8. Discuss the indicators of economic development.
9. Explain features of developing countries.
10. What is the importance of human resource in Nepal?
11. Explain components of Human Development Index (HDI).
12. What is current status of Nepal's population?

### Group – C (Nepalese Economy)

Answer any Five questions from Q.13 to Q.18 (5×5=25)

13. Explain the causes of deforestation.
14. Highlight the importance of water resource in Nepal.
15. Explain importance of remittance in Nepal.

16. Describe the prospects of tourism industry in Nepal.
17. What are the importance of cottage and small scale industry in Nepal?
18. What is problem of natural resource management?

**Group – D**

(4×5 =20)

19. Explain need for quantitative analysis in economics. What are the limitations of statistics? (5+5)

Or

Define primary data. What are the different methods of primary data collection? (2+8)

Attempt any four questions from Q. 20 to Q. 24. (4×5 = 20)

20. Find the AM value from following data.

|                   |       |       |       |       |       |       |
|-------------------|-------|-------|-------|-------|-------|-------|
| Age in years      | 20-25 | 25-30 | 30-35 | 35-40 | 40-45 | 45-50 |
| Number of Workers | 7     | 13    | 20    | 12    | 10    | 8     |

21. Find the equilibrium P and Q.

If Demand Equation is  $D = 195 - 3p$

and Supply Equation is  $S = -15 + 4p$

22. Find the value of x and y.

$$4x - 3y = 6$$

$$7x + 3y = 27$$

23. Find the SD from following data.

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| X: | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| F: | 2 | 4 | 6 | 2 | 3 | 2 | 1 |

24. Solve

$$x^2 + y^2 = 13$$

$$x + y = 5$$

## SET - II

Attempt ALL questions.

**Part 'A'**

1. Critically explain the Robbins definition of economics. [10]
2. State the law of supply. [5]

Or

Explain the concept of scarcity and choice. [5]

Answer all questions from Q.3 to Q.7 [5×2=10]

3. What is microeconomics?
4. What are the determinants of demand?

5. List any four features of Labor.
6. Define Production Possibility Frontier (PPF).
7. Define GDP.

### Part 'B'

Answer any Four questions from Q.8 to Q.12

[5×4=20]

8. Explain the process of capital formation.
9. Explain the features of poverty.
10. Explain the nature and trend of population distribution of Nepal from the following data:

| Census Year | Mountain (%) | Hill (%) | Terai (%) | Total Population |
|-------------|--------------|----------|-----------|------------------|
| 2001        | 7.3          | 44.3     | 48.4      | 23,151,423       |
| 2011        | 6.7          | 43.0     | 50.3      | 26,494,504       |

11. Explain the process of plan formulation.
12. Discuss the types of unemployment.

### Part 'C'

Answer any five questions from Q.13 to Q.18

[5×5=25]

13. What is the importance of remittance in Nepalese economy?
14. What is the importance of water resources in Nepal?
15. What are the problems of natural resource management in Nepal?
16. Discuss the nature and sources of agricultural finance in Nepal.
17. What are the problems of agricultural marketing in Nepal?
18. What are the roles of transportation in Nepal?

### Part 'C'

19. What is statistics? Explain its roles.

[10]

Attempt any Four questions from Q.20 to Q.24

[4×5=20]

20. Find the median and  $D_7$  from the following information.

|              |   |   |    |    |    |    |    |
|--------------|---|---|----|----|----|----|----|
| Size of Item | 4 | 8 | 12 | 16 | 20 | 24 | 28 |
| Frequency    | 3 | 6 | 8  | 10 | 9  | 2  | 1  |

21. Find the standard deviation from the following data.

|          |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|
| Income   | 450 | 500 | 550 | 600 | 650 | 700 |
| Families | 8   | 16  | 18  | 10  | 7   | 3   |

22. Find the value of  $\sqrt[5]{\frac{69.23^3 \times 83}{1.07 \times 6.6^3}}$ , using log table.
23. Find the equation of a straight line which passes through the point (3, 1) and makes intercepts on the axes, the difference of whose length is 4.
24. Solve the following simultaneous equations using matrix method;  
 $2x + 3y = 13$   
 $8x + 5y = 31$

# SET - III

*Attempt ALL questions.*

## **Group – A (Basic Concepts of Economics)**

1. What is Production Possibility Curve? Explain its shifting process. (7+3)
2. What are the determinants of supply? (5)

Or

Explain shift in demand curve with its causes. (5)

Answer all questions from Q.3 to Q.7 (5×2=10)

3. What is microeconomics?
4. State the law of demand.
5. Define GDP and GNP.
6. What is market economy?
7. Define normative economics

## **Group – B (Development Economics)**

Answer any Four questions from Q.8 to Q.12 (4×5=20)

8. Discuss the types of unemployment.
9. Explain characteristics of developing countries.
10. What are the roles of human resource in development of Nepal?
11. Explain Human Development Index (HDI).
12. What is difference between Growth and Development?

## **Group – C (Nepalese Economy)**

Answer any Five questions from Q.13 to Q.18 (5×5=25)

13. Explain the results of deforestation.
- 14.. Highlight the potentiality of hydro-electricity in Nepal.
15. Explain importance of foreign employment in Nepal.
16. Describe the benefits of tourism industry in Nepal.
17. What are the problems of medium scale industry in Nepal?
18. What is Natural resource management?

Group – D (Quantitative techniques in Economics) (4×5=20)

19. Define statistics. What is the importance of statistics? (5+5)

Or

Explain Census and Sample techniques. (4+6)

Attempt any four questions from Q. 20 to Q. 24.

(4×5 = 20)

20. Find the Arithmetic Mean from following data.

|                     |      |       |       |       |        |
|---------------------|------|-------|-------|-------|--------|
| Wages               | 0-20 | 20-40 | 40-60 | 60-80 | 80-100 |
| Number of employees | 1    | 5     | 10    | 6     | 3      |

21. Find the equilibrium P and Q. (5)

If Demand Equation is  $2P^2 + q^2 = 11$

and Supply Equation is  $P + 2q = 7$

22. Find the value of x and y. (5)

$$2x + y = 16$$

$$3x - y = 19$$

23. Find the SD from following data.

|                 |     |     |      |       |       |
|-----------------|-----|-----|------|-------|-------|
| Age of Auto     | 0-4 | 4-8 | 8-12 | 12-16 | 16-20 |
| Number of Autos | 13  | 29  | 48   | 22    | 8     |

24. Solve

$$2x^2 + y^2 = 22$$

$$x + y = 5$$

## SET - IV

### Part 'A'

1. What is shift in demand curve? What the factors affecting shift in demand curve? [2+8=10]
2. Explain the Robbins definition of economics. [5]

Or

Explain the concept of scarcity and choice. [5]

Answer all questions from Q.3 to Q.7 [5×2=10]

3. What is macroeconomics?
4. What are the determinants of supply?
5. List any four features of land.
6. What are causes of shift in Production Possibility Curve (PPC).
7. Define per capita income.

### Part 'B'

Answer any Four questions from Q.8 to Q.12

[5×4=20]

8. Explain the characteristics of Developing countries.
9. What are remedial measures of poverty reduction?

10. Explain the nature and trend of population density of Nepal from the following data:

| Region     | Census Year<br>(2001) | Census Year<br>(2011) |
|------------|-----------------------|-----------------------|
| Nepal      | 157                   | 181                   |
| Urban Area | 985                   | 1380                  |
| Rural Area | 138                   | 153                   |
| Mountain   | 33                    | 35                    |
| Hill       | 167                   | 187                   |
| Terai      | 330                   | 392                   |

11. Explain the process of plan formulation.  
12. Discuss the roles of Human resource.

### Part 'C'

Answer any five questions from Q.13 to Q.18

[5×5=25]

13. What are the advantages of remittance in Nepal?  
14. What are the problems of water resources development in Nepal?  
15. What are the causes of rapid deforestation of Nepal?  
16. Discuss the nature of agricultural marketing in Nepal.  
17. What are the importance of cottage and small scale industries in Nepal?  
18. Discuss means of communication services in context of Nepalese economy.

### Part 'C'

19. Define secondary data? Explain the sources of collecting secondary data.[2+8=10]

Attempt any Four questions from Q.20 to Q.24

[4×5=20]

20. Find the Arithmetic mean from the following information.

| Size of Item | 10-15 | 15-20 | 20-25 | 25-30 | 30-35 | 35-40 |
|--------------|-------|-------|-------|-------|-------|-------|
| Frequency    | 3     | 6     | 8     | 10    | 9     | 2     |

21. Find the mean deviation from median from the following data.

| Age year        | 25 | 30 | 35 | 40 | 45 | 50 |
|-----------------|----|----|----|----|----|----|
| No. of employee | 2  | 3  | 7  | 11 | 8  | 4  |

22. Find the value of  $\sqrt[3]{\frac{9.23^3 \times 250}{14.07 \times 26}}$ , using log table.  
23. Find the equation of a straight line which passes through the point (6, 7) and makes equal intercepts in both axes.  
24. Solve the following simultaneous equations using matrix method;  
 $4x + 2y = 15$   
 $5x + 3y = 34$

# SET - V

## PART A

1. Explain Marshallian definition of economics. Compare it with that of Adam Smith. [10]
2. Write short note on allocation of resources. [5]

OR

Discuss various types of demand. [5]

Answer all questions from q.no. 3 to q.no. 7. [5×2 =10]

3. What is positive economics?
4. What are the characteristics of capital?
5. Explain the concept of production possibility curve.
6. What are the exceptions of law of supply.
7. Derive a single producer's supply curves.

## PART B

Answer any question from Q 8 to Q. 12 [4×5 = 20]

8. Describe, briefly the indicators of economic development.
9. Explain the characteristics of developing countries.
10. Explain the types of unemployment.
11. Define Human development index (HDI).
12. Make a analysis of inflow of Remittance in Nepal. Since FY 2010/11 to 2014/15.

| F.Y.                               | Remittance<br>(Rs. million) | Remittance<br>(Annual % charge) | Remittance<br>(% GDP) |
|------------------------------------|-----------------------------|---------------------------------|-----------------------|
| 2010/11                            | 253.6                       | 9.4                             | 18.5                  |
| 2011/12                            | 359.6                       | 41.8                            | 23.5                  |
| 2012/13                            | 434.6                       | 20.9                            | 25.6                  |
| 2013/14                            | 543.3                       | 25.0                            | 28.0                  |
| 2014/15                            | 617.3                       | 13.6                            | 29.1                  |
| GON / MOF Economics survey 2015/16 |                             |                                 |                       |

## PART C

Answer any Five question from Q 13 to Q. 18

[5×5 = 25]

13. Describe the current situation of water resources of Nepal.
14. What are the problems of mineral resources development in Nepal?
15. Describe the remedial measures would you suggest to control environmental pollution.
16. Explain the importance of cottage and small scale industry.
17. Explain the role of tourism industry for the economic development in Nepal.
18. Write main importance of public enterprises in Nepal.

## PART D

19. Define statistics? Explain the importance and limitations of statistics.

[2+4+4=10]

Attempt any four questions from Q. 20 to Q. 24

[4×5=20]

20. Find the median from following data.

|                     |      |       |       |       |        |
|---------------------|------|-------|-------|-------|--------|
| Wages               | 0-20 | 20-40 | 40-60 | 60-80 | 80-100 |
| Number of employees | 1    | 5     | 10    | 6     | 3      |

21. Find the equilibrium PA and PB.

If Demand Equation is  $DA = 10 - PA - 2PB$ ,  $DB = 6 - PA - PB$

$SA = -3 + PA + PB$ ,  $SB = -2 + PB$

22. If  $\log 2 = 0.3010$ ,  $\log 3 = 0.4771$ ,  $\log 5 = 0.6990$  and  $\log 7 = 0.8451$

Find the value of  $\log(1050)^2$

23. Find the mean deviation from following data.

|    |    |    |    |    |    |  |  |
|----|----|----|----|----|----|--|--|
| X: | 10 | 15 | 20 | 25 | 30 |  |  |
| F: | 2  | 4  | 6  | 8  | 5  |  |  |

24. Draw the graph of the equation  $4x^2 - x^2 = 0$

**The End**