

PART –A (ECONOMICS)

30 MARKS

Answer all questions in the space provided below.

I. Give short answers for the following questions:

1x20=20

1. Meaning of Micro-Economics:

2. Name two classical economists.

3. What are the four major sectors in macro economic theory?

4. What are intermediate goods?

5. What are the causes of depreciation?

6. Define National Income.

7. Define Budget.

8. What is a progressive tax?

9. Define Balance of Payment.

10. Name the three stages of the Law of Variable Proportions.

11. Name any three fixed inputs.

12. Define production.

13. What is the shape of the AR and MR curve under perfect competition?

14. Define the concept of 'product differentiation'.

15. Define equilibrium price.

16. What is cash reserve ratio?

17. Who issues the one rupee coin in India?

18. What is the best indicator of economic development in a country?

19. Define price line.

20. Complete the following table for TR and MR

Units of output	1	2	3	4
AR (Rs)	10	8	6	2

II. Write a brief note on:

2x5=10

1. Poverty

2. Causes of rapid population growth in India

PART -B (MATHEMATICS)

30 MARKS

Answer all the questions

3x10=30

1. Solve for x and y:

$$1.5x+0.1y=6.2$$

$$3x - 0.4y=11.2$$

2. Two numbers are in the ratio 2:3.If 5 is added to each number the ratio becomes 5:7. Find the numbers.

3. Factorize $x^2+9x +14=0$

4. Define the concept of a rational and an irrational number by giving examples.

5. A consumer buys 10 units of a commodity at 5 rupees per unit. He buys 12 units when price falls to 4 rupees. Calculate the price elasticity of demand.

6. Find the mean of the following data:

x_i	13	15	17	19	21	23
f_i	8	2	3	4	5	6

7. A card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is:
i) a black card ii) a king iii) a king or queen

8. If the probability of winning a game is 0.3. What is the probability of losing it?

9. Calculate range and its co-efficient from the following table:

Size	5	7	9	11	13	15
Frequency	1	5	3	9	4	2

10. Describe some methods of data collection.
