



INDIAN SCHOOL SOHAR
TERM 1 EXAMINATION (2023 – 2024)
ECONOMICS (030)

CLASS: - XI

MAX MARKS: - 80

DATE: 19/09/2023

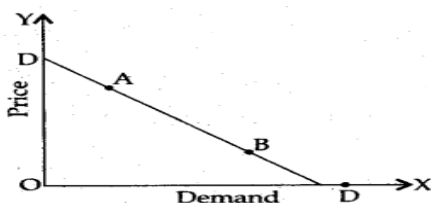
TIME: 3 HOURS

General Instructions:**Read the following instructions very carefully and strictly follow them:**

1. This question paper comprises two sections **A** and **B**.
2. All questions are **compulsory**. Marks are indicated against each question.
3. Question numbers **1 – 8** and **17 – 24** are very short-answer questions carrying **1** mark each. They are required to be answered in **one word** or **one sentence** each.
4. Question numbers **9 – 10** and **25 – 26** are short-answer questions carrying **3** marks each. Answers to them should not normally exceed **60 – 80** words each.
5. Question numbers **11 – 14** and **27 – 29** are also short-answer questions carrying **4** marks each. Answers to them should not normally exceed **80 – 100** words each.
6. Question numbers **15 – 16** and **30 – 31** are long answer questions carrying **6** marks each. Answers to them should not normally exceed **100 – 150** words each.
7. There is no overall choice. However, an internal choice has been provided in **2** questions of one mark, **2** questions of three marks, **2** questions of four marks and **2** questions of six marks. Only one of the choices in such questions must be attempted.

SECTION A

1. Let TR be total revenue, Q be quantity of output, and 'n' the number of units, then marginal revenue equals: (choose the correct alternative) [1]
 - A. $TR_n - TR_{n-1}$ only
 - B. $\frac{\text{Change in TR}}{\text{Change in Q}}$ only
 - C. Both (A) and (B)
 - D. None of the above
2. DD is a demand curve, A and B are two points on it. Price elasticity of demand at point A is:



- A. less than elasticity of demand at B.
- B. equal to elasticity of demand at B.
- C. greater than elasticity of demand at B.
- D. less than 1.

Read the following case study and answer questions 3 and 4 based on the same.

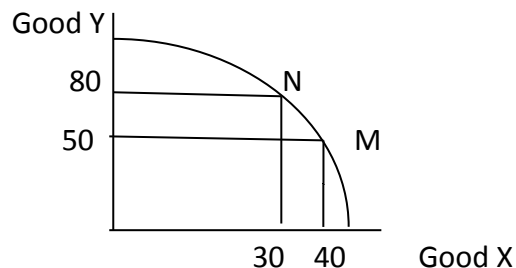
If our income rises, we generally tend to buy more of the goods. More income would mean more pens, more shirts, more shoes, more cars and so on. But there are exceptions. If initially, you are buying coarse grain, how would you take your increase in income now? Perhaps, as a first step, you would discard the consumption of inferiors. Surely, this happens in the deserts of Rajasthan where the rich minority eats wheat while the poor majority eats Bajra as their staple food.

3. As a result of rise in consumer's income, the demand curve for coarse grain (inferior good) [1]
 A. becomes a horizontal straight line
 B. becomes a vertical straight line
 C. shifts to the right
 D. shifts to the left
4. Inferior goods are those whose income effect is _____. (Negative/ Positive) [1]
5. Identify the correct sequence of alternatives given in Column II by matching them with respective items in Column I [1]

Column I	Column II
a. Consumer's equilibrium	I. $\frac{\Delta Y}{\Delta X}$
b. Slope of the IC	II. Budget line rotates to the right starting from Y axis
c. P_x falls	III. Consumer should move downward to the right along the IC
d. $MRS_{XY} > \frac{P_X}{P_Y}$	IV. Optimum choice of the consumer

Alternatives:

- A. a -I, b -III, c -IV, D- I
 B. a -IV, b -I, c -II, D- III
 C. a -III, b -IV, c -II, D- I
 D. a -IV, b -II, c -I, D- III
6. Slope of PPC between point N and point M is: [1]
 a. 3
 b. 20
 c. 2.5
 d. 3.5



7. If a firm's production department data says that the total variable cost for producing 8 units and 10 units of output is ₹ 2,500 and ₹ 3,000 respectively, marginal cost of 10th unit will be. [1]
 A. ₹ 100
 B. ₹ 150
 C. ₹ 500
 D. ₹ 250
8. **Read the following statement carefully. Write True or False with reason.** [1]

“The AC and the AVC tend to intersect at some level of output.”

OR

“As output increases the difference between TC and TVC tends to fall.”

12. A person starts a goods transport business. He purchases a goods carrier using partly his own savings and partly borrows money. He drives the carrier himself. What are the explicit costs and implicit costs directly identifiable in it? Give reason for your answer. [3]

13. Distinguish between [4]

- A. Ordinal utility and cardinal utility
- B. Perfectly elastic demand and perfectly in elastic demand.

14. Suppose a consumer can afford to buy 6 units of Good 1 and 8 units of Good 2. She spends her entire income the prices of the two goods are ₹6 and ₹ 8 respectively. [4]

- A. How much is the consumer's income?
- B. What happens to the budget set if both the prices as well as the income double?
- C. If a consumer has monotonic preferences, can she be indifferent between the bundles (10, 8) and (8, 6)?
- D. How does the budget line change if the consumer's income increases to ₹40 but the prices remain unchanged?

OR

A consumer consumes only two goods X and Y whose prices are ₹4 and ₹ 5 per unit respectively. If the consumer chooses a combination of the two goods with marginal utility of X equal to 5 utils and that of Y utils equal to 4, is the consumer in equilibrium? Give reasons. What will a rational consumer do in this situation? Use utility analysis.

15. Complete the following table. [4]

Output (units)	AFC in ₹	AC in ₹	AVC in ₹	MC in ₹
1		140		50
2			45	
3				45
4	22.5		48	
5	18		52	

16. A. When the price of a commodity X falls by 10 percent, its demand rises from 150 units to 180 units. Calculate its price elasticity of demand. How much should be the percentage fall in its price so that demand rises from 150 units to 210 units? [6]

- B. Production in an economy is below its potential due to unemployment. Government starts employment generation schemes. Explain its effect using production possibilities curve.

OR

- A. Explain with the help of an example and a suitable diagram, how the demand for a given good is affected by a rise in the price of a substitute good.

- B. Explain any three properties of an indifference curve.
17. A. Explain the relation between Marginal Cost and Average Variable Cost with the help of diagram. [6]
 B. What is the Average Fixed Cost of a firm? Why is an Average Fixed Cost Curve a rectangular Hyperbola? Explain with help of a diagram.

SECTION B

18. Read the statements carefully and choose the correct alternatives given below. [1]

Statement 1: in simple arithmetic mean, all items of a series are given equal significance.

Statement 2: in weighted arithmetic mean, different items are accorded different weights depending on their relative importance.

Alternatives:

- A. Both statements are true.
 B. Both statements are false.
 C. Statement 1 is true and statement 2 is false.
 D. Statement 1 is false and statement 2 is true.
19. An advertisement agency mailed 100 questionnaires to the viewers to know the impact of the advertisement. It received only one questionnaire back. It is not possible to apply statistics because. [1]
 A. It does not deal with quantitative data B. It is not confidential.
 C. The answers replied is not clear. D. It does not deal with single result.
20. Identify the correct sequence of alternatives given in Column II by matching them with respective items in Column I. [1]

Column I	Column II
a. Exclusive series	I. Upper limit of the last class interval is missing.
b. Discrete variable	II. Frequency values are expressed as percentage of the total frequency
c. Open end series	III. Value of the upper limit of a class interval is not included in that class
d. Relative frequency	IV. Assume value in complete number.

Alternatives:

- A. a – IV, b – III, c – I, d - II B. a – III, b – IV, c – I, d - II
 C. a – II, b – IV, c – III, d - I D. a – IV, b – II, c – I, d - III
21. Average income of 50 families is ₹ 3000. Of these, the average income of 12 families is ₹ 1800. The average income of the remaining families is: [1]
 A. ₹ 2590 B. ₹ 3379
 C. ₹ 2900 D. ₹ 3500

the correct mean.

B. The following series gives the weekly wages. Mean marks are 11.66.

Weekly wages (in ₹)	40 – 43	43 – 46	46 – 49	49 – 52	52 - 55
No. of workers	3	6	9	13	X

34. Define classification of data. Explain the different methods of classification of data. Give examples.

[6]

OR

Differentiate between

- A. Inclusive classification and exclusive classification
- B. Indirect oral investigation and direct personal investigation
- C. Discrete series and continuous series