EVERWIN VIDHYASHRAM

24.01.20 TT – Micro Economics

STD:XI (Con) Marks:25

I. Answer the following questions:

1. Draw TC, TFC and TVC curves in a single diagram (1)

2. Out of the following costs, which cost can never be zero: (1)

a) AFC b)AVC c)TVC d)None of these

3. State the distinction between explicit cost and implicit cost. Give an example of each. (3)

4. Giving reasons. State whether the following statements are true or false: (4)

a) When there are diminishing returns to a factor, total product always decreases.

b) Total product will increase only when marginal product increases

c) Increase in total product always indicates that there are increasing returns to a factor.

d) When marginal product falls, average product will also fall.

5.a) What are the various types of cost? (4)

(OR)

b) Find out the missing figure from the table given below:

Output (units)	0	1	2	3	4	5	6
TC (₹)	-	-	100	-	-	130	150
TFC (₹)	-	-	-	-	60	-	-
TVC (₹)	-	20	-	51	56	-	-

6. Distinguish between

a) Fixed costs and Variable Costs b) Average Cost and Marginal Cost. (6)

7a. Suppose that a firm's total fixed cost is ₹100, and the marginal cost schedule of a firm is the following: (6)

Output (in units)	Marginal Cost (₹)
1	10
2	20
3	30
4	40
5	50
6	60
7	70

a) Is the MC Curve u-Shaped?

b)Derive the AVC Schedule. Will the AVC curve be u-shaped? Discuss why or why not? (OR)

b) Explain the relationship between TC, TVC and TFC with the help of a hypothetical schedule and diagram

EVERWIN VIDHYASHRAM

24.01.20 TT – Chemistry

STD:XI (Maj) Marks:25

I. Answer in one word or one sentence: 5x1=5

1. What are electrophilic reagents?
2. What are called geometrical isomers?
3. Which is known as Lindlar's catalyst?
4. What do you mean by vicinal dihalides?
5. State Markovnikov's rule.

II. Answer in Short: 3x2=6

6. What is polymerisation reaction? Give example.
7. Explain ozonolysis with an example.
8. Write the oxidation of alkenes.

III. Answer in brief: 3x3=9

9. Explain geometrical isomerism with an example.
10. How are alkens prepared from alkynes?
11. Explain preparation of alkenes from alkyl halides and alcohols?

IV. Answer in detail: 1x5=5

12. Explain the reaction of alkenes with HBr following markovnikov's rule . Write the mechanism involved in this reaction.