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1B2A24040 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BA Economics Degree Examination, April 2024

BEC2B02 – Micro Economics – II

(2022 Admission onwards)

Time: 2 ½ hours Max. Marks : 80

Section A

Short answer questions: Maximum mark in this section is 25.
Student can attend all the questions. Each question carries 2 marks.

1. Define Perfect Competition
2. What do you mean by shut down point?
3. Explain AR and MR curve of a oligopolist
4. Define Selling Cost
5. What do you mean by Excess Capacity?
6. Define Dumping
7. Explain Price Leadership
8. Give a note on factor market with monopoly power
9. What do you mean by Price discrimination?
10. Explain the nature of AR and MR curve under monopolistic competition
11. What is Marginal Revenue Product?
12. Define Market
13. Why the demand curve under perfect competition is a horizontal straight line?
14. What is Collusive Oligopoly?
15. Define Monopoly power

Section B

Paragraph type questions. Maximum mark in this section is 35.
Student can attend all the questions. Each question carries a maximum of 5 marks.

16. Explain different types of oligopoly.
17. Explain how price determination takes place in a perfectly competitive market
18. How monopoly can be measured.
19. Point out the main features of monopolistic competition
20. Explain various types of product differentiation
21. Point out the main impact of taxes and subsidies in a perfectly competitive market
22. Explain the long run supply curve of a firm and industry under perfectly competitive market
23. Distinguish between tying and bundling

Section C

Essay type questions. Answer any 2 questions.
Each question carries a mark of 10.

24. Write an essay on various types of price discrimination
25. Critically evaluate marginal productivity theory of input.
26. Explain Cournot model oligopoly.
27. Give a detailed explanation of short run and long ruin equilibrium under monopolistic competition

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1B2A24041 (Pages : 2) Reg. No:..... .....

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BA Economics Degree Examination, April 2024

BEC2C02 – Mathematical Methods for Economics – II

(2022 Admission onwards)

Time: 1 ½ hours Max. Marks : 40

PART A

(All questions may be answered. Each question carries 2 marks)

1. Distinguish between arithmetic mean and geometric mean.
2. Find the next number of the series $\frac{2}{38}, \frac{4}{152}, \frac{2}{152}, \ldots$
3. Define the Identity matrix
4. Differentiate between symmetric and skew-symmetric matrix
5. Suppose the arithmetic mean of 8, 9, 1.6, 6, and Q is 5.6, find the value of Q
6. Consider the given Cost function, $C = Q^2 + 3Q + k$, find the Average cost and Marginal cost.
7. Find the $\frac{d^2P}{dx^2}$, where $P(x) = x^{32} - 5x + 5y$

(Ceiling 10 marks)

PART B

(All questions may be answered. Each question carries 5 marks)

8. Given $\begin{vmatrix} 8 & y \\ 2y & 9 \end{vmatrix} = 0$, find the value of y.

9. Find the equilibrium price and quantity forthe given Demand and Supply function.

$$Q_d = 820 - 5P$$

$$Q_s = 36 + 3P$$

10. Explain the concepts of Present Value and Future Value.

11. Find (a) AB and (b) BA, given

$$A = \begin{bmatrix} 5 & 6 \\ 8 & 2 \end{bmatrix} \quad B = \begin{bmatrix} 3 & 2 \\ 8 & 3 \\ 1 & 6 \end{bmatrix}$$

12. Find rank of the matrix $\begin{bmatrix} 3 & 9 & 1 \\ 6 & 3 & 9 \\ 1 & 9 & 6 \end{bmatrix}$

(Ceiling 20 marks)

PART C

(Answer any one of the following. Each question carries 10 marks)

13. Explain in detail the important properties of determinants using suitable examples.

14. Using matrix inverse solve the system of linear equations.

$8a+2b-10c=16$

$-4a+6b+2c=24$

$6a-2b+8c=10$

(1 x 10 =10 marks)