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2B2M21369 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BA Degree Examination, March/April 2021

BEC2B02 – Micro Economics II

(2020 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 questions. Each question carries 2 marks.

1. Differentiate AFC and AVC
2. What you mean by opportunity cost?
3. What is cost function?
4. Define pure competition.
5. What are the different sources of monopoly?
6. Define collusive oligopoly.
7. What you mean by reciprocal dumping?
8. Mention four methods of regulating monopoly.
9. Define bilateral monopoly.
10. What is excess capacity in Monopolistic competition?
11. Mention different types of cartel.
12. What is derived demand for an input?
13. What is shutdown point in perfect competition?
14. What is Lerner index of Monopoly power?
15. Define price elasticity of demand for labour.

Section B

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

16. Explain the modern theory of cost.
17. Discuss the relationship between short run Average cost and Marginal cost.
18. Explain the characteristics of Monopoly. Discuss the demand curve of a monopolist v diagram.
19. Explain equilibrium of the industry in the long run under perfect competition.
20. Explain the oligopoly model with kinked demand curve analysis.
21. What is price leadership? Discuss different types of price leadership.
22. Discuss equilibrium in a competitive factor market.
23. Why the supply curve of labour is backward bending? Explain with diagram.

Section C

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

24. What is perfect competition? Explain the short run and long run equilibrium in perfec competition.
25. Explain the characteristics of oligopoly market. Explain Cournot's model of duopoly.
26. Explain the characteristics of Monopolistic competition. Explain the short run and lor run equilibrium in monopolistic competition.
27. What is price discrimination? Explain three degrees of price discrimination with diagrams.

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2B2M21370 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BA Degree Examination, March/April 2021

BEC2C04 – Mathematical Methods for Economics II

(2020 Admission onwards)

Time: 1 ½ hours Max. Marks: 40

Part A
(Very Short Answer Type Questions. Each question carries 2 Marks)

1. Find the sum of the multiple of five from 5 to 2000.
2. Define Geometric Progression. Find 15^{th} term of the series 3,-6, 12,-24.....
3. Distinguish between identity matrix and symmetric matrix. Give examples.
4. $A=\begin{bmatrix}5 & 2\\ 4 & -1\end{bmatrix}$ $B=\begin{bmatrix}3 & -2\\ 0 & 6\end{bmatrix}$ $C=\begin{bmatrix}-7 & 3\\ 5 & -2\end{bmatrix}$. Find (A+B)-C
5. Prove that $AB\neq BA$ if $A=\begin{bmatrix}2 & 3\\ 1 & 4\end{bmatrix}$ and $B=\begin{bmatrix}4 & -1\\ 8 & 3\end{bmatrix}$
6. What is limit of a function? Find $\lim_{x\to 0} x^3+4x^2-5x+10$
7. Find the derivative if $y=\frac{5x^3}{4x+3}$

(Ceiling 10 Marks)

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

8. If 9^{th} term of an AP is 99 and 99^{th} term is 9 ,find the 108^{th} term.
9. Use matrix inversion to solve the following system of linear equation

   $4x_1+3x_2=28$

   $2x_1+5x_2=42$
10. Define the rank of the matrix. Find the rank of the matrix A

$$A=\begin{bmatrix}2 & 5\\ 4 & 10\\ 3 & 1\end{bmatrix}$$

11. Find the second order derivative of $f(x)= (5x^3-7x^2)^2$.Evaluate the derivative at x=1
12. Define implicit differentiation. Find the derivative of $2x^3+5x^2+4y^5=156$

(Ceiling 20 Marks)

Part C (Short Answer Questions)
Answer *any one of the following* questions

13. An individual borrowed Rs.10000/ from money lender, but he could not repay a amount in a period of 4 years. So the money lender demanded Rs.20000/ from him. Wh is the rate of interest charged?

14. Use the Cramer's rule to solve the equations to get the value of unknowns

$x+2y+3z = -5$

$3x+y-3z = 4$

$-3x+4y+7z = -7$

(1×10=10 Mark

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2B2M21387 (Pages : 1) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BA Sociology & Economics Degree Examination, March/April 2021

BHS2C01 – History of Modern India : Indian National Movement- First Phase 1885 – 1917

(2020 Admission onwards)

Time: 1 ½ hours Max. Marks: 40

Section -A

All questions may be answered. Each question carries 2 marks

1. *The Theosophical Society*
2. Lala Lajpat Rai
3. Barisal conference
4. The Surat Split
5. Lord Dufferin
6. *Kesari*
7. Madam BhikajiCama

(Ceiling =10 Marks)

Section B

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

8. Lord Curzon and his divisive policies in India
9. Dadabai Naoroji and the Drain Theory
10. The significance of the Minto-Morley Act.
11. The formation of the Muslim league
12. Prayer, Petition and Protest policy of the Moderates

(Ceiling =20 Marks)

Section C (answer any one of the questions)

13. Bring out the significance of the Lucknow Pact.
14. What are the factors that favoured the emergence of Nationalism in India?

(Ceiling = 10 marks)