|--|



QP CODE: 24020564

Reg No	:	
Name	:	

B.A DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MAY 2024

Second Semester

B.A Economics Model I

Complementary Course - EC2CMT03 - MATHEMATICS FOR ECONOMICS ANALYSIS

- 11

2017 ADMISSION ONWARDS

680D1EB5

.

Time: 3 Hours

Max. Marks: 80

Part A

Answer any **ten** questions. Each question carries **2** marks.

- 1. Cardinal Utility.
- 2. Indifference Map.
- 3. Pecuniary Economies.
- 4. Returns to Scale.
- 5. Sunk Cost.
- 6. Complementory Goods.
- 7. Supply schedule.
- 8. Market.
- 9. Identical Product.
- 10. Different kinds of Games.
- 11. Fair Game.
- 12. Find the Saddle Point.

$$\begin{pmatrix} 3 & 2 \\ 4 & 1 \end{pmatrix}$$

(10×2=20)

Part B

Answer any **six** questions.

Each question carries 5 marks.

- 13. Explain a Demand Curve.
- 14. What is Crosss Elasticity? What are its applications ?
- 15. Evaluate the Price and Output determination under discriminating Monopoly.
- 16. Examine the price and output determination under Bilateral Monopoly.
- 17. Explain the Functional and Personal Distribution.
- 18. Using Maximin-Minimax Principle.

$\begin{pmatrix} 3 \end{pmatrix}$	-1	4	6	7
-1	8	2	4	12
16	8	6	14	12
$\setminus 1$	11	-4	2	1/

- 19. What is a Two Person Zero Sum Game ?
- 20. Solve the following 2X2 Game by Probability Method.

$$\begin{pmatrix} 2 & 5 \\ 4 & 1 \end{pmatrix}$$

- 21. Find out the value of a Game. Strategies are A_1 , A_2 and B_1 , B_2
 - $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

- 22. Explain the law of Variable proportions.
- 23. Brefly analyse the shortrun and longrun equilibrium of Monopolistic Competition.
- 24. Critically evaluate the Oligopoly Model.
- 25. Use the Dominance Principle to simplify the rectangular Game with the following Pay Off and then it solve Graphically.

(2×15=30)

