



19101934

QP CODE: 19101934

Reg No : .....

Name : .....

**BA DEGREE (CBCS) EXAMINATION, MAY 2019**

**Second Semester**

B.A Economics Model I

Complementary Course - **EC2CMT03 - MATHEMATICS FOR ECONOMICS ANALYSIS**

2017 ADMISSION ONWARDS

7E4C7084

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. Giffen Goods
2. Inelastic Demand
3. The law of Variable Proportions
4. Properties of Isoquants
5. Variable and Fixed Cost
6. Complementary Goods
7. Profit
8. Dumping
9. Value of Marginal Product
10. Game
11. Feasible Solution
12. The Following is a Pay Off Matrix

$$\begin{pmatrix} 1 & -2 \\ 2 & -1 \end{pmatrix}$$

What is the value of Game? Who will be the winner of the Game? Why?





(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. Draw an indifference curve from the following schedule.

Combinations	Commodities	
	x <sub>1</sub>	x <sub>2</sub>
A	5	22
B	10	15
C	15	10
D	20	7
E	25	5
F	30	4

14. Illustrate producer equilibrium when two inputs are used ?
15. Explain the Shut Down Point
16. Explain Ideal output and Excess capacity under the Monopolistic Competition.
17. Explain Cartels
18. What is a Two Person Zero Sum Game ?
19. Explain Prisoner's Dilemma
20. Solve the following 2X2 Game by Probability Method.  

$$\begin{pmatrix} -3 & 7 \\ 6 & 1 \end{pmatrix}$$
21. Explain how a Game Problem is solved by Simplex Method

(6×5=30)

**Part C**

Answer any **two** questions.

Each question carries **15** marks.

22. Explain Cobb-Douglas production function.
23. How market price is determined? How market demand and supply affect equilibrium price and quantity?
24. Define Market. Explain different types of market
25. Evaluate the solution of Mixed Strategy Problems

(2×15=30)

