



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade “A”, CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

**BBA 2424**

**Quantitative Aids to Decision Making**

**MAX TIME: 3hrs**

**Max Mark: 75 marks**

**Answer the any five of the following questions:**

**5 X 15=75**

1. Explain the Operations Research as a Quantitative aid to decision making?
2. Enumerate the Concept of Linear Programming.
3. Explain the methods to solve Transportation Problems
4. Solve the transportation problem using North-West Corner Rule:

Source \ To	D	E	F	Supply
A	5	8	4	50
B	6	6	3	40
C	3	9	6	60
Demand	20	95	35	150

5. Solve the Assignment Problem using Hungarian Method

Assign the four tasks to four operators.

The assigning costs are given in Table

		Operators			
		1	2	3	4
Tasks	A	20	28	19	13
	B	15	30	31	28
	C	40	21	20	17
	D	21	28	26	12

6. Explain the Dominance Principle
7. Elaborate the characteristics of Queuing Models