

FACULTY OF MANAGEMENT**BBA V – Semester (CBCS) Examination, November / December 2019****Subject: Management Science****Course No. BB – 503****Time: 3 Hours****Max. Marks: 80****Note: Answer all the questions.****PART – A (5x4 = 20 Marks)****[Short Answer Type]**

1 Answer any five of the following in not exceeding 20 lines.

- a) Process Life Cycle
- b) What do you mean by break down?
- c) Plant Layout
- d) VED Analysis
- e) Material Control
- f) EOQ
- g) Queuing Theory
- h) What is LPP?

PART – B (5x12 = 60 Marks)**[Essay Answer Type]****Note: Answer all the questions using the internal choice.**

2 a) Distinguish between product life cycle and process life cycle.

OR

b) Briefly explain the functions of production planning and control.

3 a) What is sequencing of operations in jobs? Explain the same with one and two facilities.

OR

b) Explain the procedure for classification and codification of materials.

4 a) What do you mean by simplification and standardization of materials?

OR

b) Explain the method of determining the EOQ with a single price breaks.

5 a) Explain how a two person zero-sum game can be solved by linear programming.

OR

b) Formulate as Assignment problem as a linear programming problem. Why do you need to have a separate technique to solve this problem rather than using simplex technique?

6 a) Explain briefly with example North – West corner rule for transportation problem.

OR

b) Find initial basic feasible solution using Least Cost Method (LCM) for the following table.

	D ₁	D ₂	D ₃
P ₁	2	5	9
P ₂	1	0	6
P ₃	5	7	12
