

S.D.E.

B.B.A. (2006 COURSE) SEM- IV : SUMMER - 2018
SUBJECT : PRODUCTION AND OPERATION MANAGEMENT

Day : **Thursday**
Date : **31/05/2018**

Time : **10.00 AM TO 1.00 PM**
Max. Marks : **80**

S-2018-4304

N.B.:

- 1) Attempt **ANY FIVE** questions from Section – I. Each question carries **10** marks.
- 2) Attempt **ANY TWO** questions from Section – II. Each question carries **15** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer books.

SECTION - I

- Q. 1 Discuss the necessity of planning for production.
- Q. 2 What is mass production? Explain with suitable example.
- Q. 3 Distinguish between manufacturing operations and service operations.
- Q. 4 What is capacity planning? Why it is necessary?
- Q. 5 How computer systems and packages are useful in modern industries?
- Q. 6 What is the importance of method study? How it helps the organisation?.
- Q. 7 Write short notes on **ANY TWO** of the following:
 - a) Advantages of work study
 - b) preventive maintenance
 - c) Process layout

SECTION – II

- Q. 8 Compare and contrast different types of maintenance management systems.
- Q. 9 Assuming that the total observed time for an operation of assembling wire harnesses is 1.00 min. If the rating is 120% find normal time. If an allowance of 10 % is allowed for the operation, determine the standard time.

P. T. O.

- Q.10** A research project consists of eleven activities identified by their beginning node (i) and ending node (j)

Activity (i-j)	Estimated duration (Time)		
	Optimistic (a)	most likely (m)	Pessimistic(b)
1-2	6	7	8
1-3	4	5	12
1-4	2	10	12
2-5	3	7	11
3-6	10	20	48
3-7	6	9	18
4-6	3	3	9
5-8	3	3	9
6-9	8	18	40
7-8	2	6	10
8-9	2	5	14

- i) Calculate the expected time period of the project.
ii) Construct the network diagram.

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