

Subject : Production & Operations Management

Day : Thursday
Date : 08/12/2016



Time : 02.00 PM TO 05.00 PM
Max Marks : 80 Total Pages : 1

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) Answer to both the section should be written in **SAME** answer book.
- 4) Use of Non programmable calculator is **ALLOWED**.

SECTION – I

- Q.1 Explain the concept of production and importance of production function.
- Q.2 Describe in brief major factors to be considered while selecting a manufacturing process.
- Q.3 Explain the meaning and role of production planning and control in an organisation.
- Q.4 State the objectives of work study. Describe relation of method study with work measurement.
- Q.5 Describe concept of supply chain management with an example.
- Q.6 Explain with an example how does application of technology increases production and productivity.
- Q.7 Write short notes on **ANY TWO** of the following
 - a) Capacity Planning
 - b) Maintenance Management
 - c) Product Design

SECTION - II

- Q.8 For a project, activity code, duration and precedent relationship is given in the table below.

Sr. No.	Activity code	Duration in days	Precedent activity
1	A	7	-
2	B	8	-
3	C	3	A
4	D	2	A
5	E	9	B
6	F	4	C
7	G	8	D&E
8	H	4	B
9	I	3	H
10	J	1	F,G, I

Draw a Network Diagram for the project, compute project duration and identify Critical Path.

- Q.9 Describe features and benefits of any three computer system / software for production function.
- Q.10 Explain in brief major characteristics of different types of plant layout.

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