

Code: BA2T4

**I MBA-II Semester-Regular Examinations-OCTOBER 2013**

**PRODUCTION AND OPERATIONS MANAGEMENT**

Duration: 3hours

Max. Marks: 70

**SECTION-A**

1. Answer any FIVE of the following 5 x 2 = 10 Marks
- a) Define POM.
  - b) Product design.
  - c) Lay-out.
  - d) Scheduling.
  - e) Work Sampling.
  - f) Shop loading.
  - g) Quality inspection.
  - h) X-bar chart.

**SECTION – B**

Answer the following

5 x 10 = 50 Marks

2. a) Explain the functions of Production and operations management?

OR

- b) Write about the historical development of POM and its scenario today?

3. a) What are the factors influencing on location facilities?

OR

b) Explain the importance of Aggregate planning?

4. a) How Scheduling is useful in mass and continuous production processes?

OR

b) Differentiate between assignment and line balancing.

5. a) Define methods study? Explain what are the steps involved in methods study?

OR

b) Write about the role and importance of productivity engineering in management?

6.a) Define SQC? Explain the control charts for attributes (p- and c-Charts)?

OR

b) Write the importance and process of Total Quality Management?

7.a) Case study:

1 x 10 = 10 Marks

Consider the following schedule of activities and related information for the construction of new plant.

Activity	1-2	2-3	3-6	2-4	1-5	5-6	4-6	5-7	7-8	6-8
Duration	4	2	3	6	2	5	9	7	10	1

Draw the network and find duration(months) of CPM for completion of the new plant.