

**B TECH**  
**(SEM VIII) THEORY EXAMINATION 2018-19**  
**PRODUCTION & OPERATION MANAGEMENT**

Time: 3 Hours

Total Marks: 100

**Note 1.** Attempt the sections sequentially in the order as given suitably.

**SECTION A**

- 1. Attempt the questions brief. 2 x 10 = 20**
- a. Define operation management.
  - b. How operation management is different from production management?
  - c. What is the scope of SLT?
  - d. List any two factors that must be considered while locating a service facility.
  - e. List any two limitations of CPM.
  - f. What is meant by work measurement?
  - g. Define scheduling.
  - h. What is aggregate planning for production?
  - i. Explain large range capacity planning.
  - j. What is rough cut capacity?

**SECTION B**

- 2. Attempt any three of the following: 10x3=30**
- a. Define production management. How does it work? Discuss about its evolution.
  - b. Discuss system view of production system. What are the operative strategies for competitive advantages?
  - c. Explain the various function of an organization.
  - d. Define Departmentation. Explain its need in an industry in detail.
  - e. Describe the designing process of the product followed by any industry.

**SECTION C**

- 3. Attempt any one part of the following: 10x1=10**
- a. Enlighten the various production and operation standards.
  - b. Identify the important operations priorities and explain them in brief.
- 4. Attempt any one part of the following: 10x1=10**
- a. What is planning? Discuss in detail about the process layout planning.
  - b. Differentiate between product and fixed position layout. Also state their applications.
- 5. Attempt any one part of the following: 10x1=10**
- a. Discuss about planning techniques used in work measurement along with its different types and methods for it.

- b. What considerations must be made while planning capacity for service facility/manufacturing?

**6. Attempt any one part of the following: 10x1=10**

- a. Explain in brief the following: -
- A. Job Description
  - B. Job specification
  - C. Point system of job evolution
- b. What do you mean by operation schedule? Discuss its categories with the help of case study.

**7. Attempt any one part of the following: 10x1=10**

- a. What is MRP? Discuss its role in production industry.
- b. Describe different ways and methods derived for meeting out competition at global level.

downloaded from  
StudentSuvidha.com