

## Production and Operations Management

Paper: &lt;P-206

Time: Three Hours]

[Maximum Marks: 70

Note :- Attempt any **FIVE** questions. Question No.1 is compulsory.

All questions carry equal marks.

1. (a) Define Production Management.  
(b) Discuss briefly the role of infrastructure in determining the location of facilities.  
(c) Describe in brief the relationship between materials management and production planning functions. . .  
(d) Distinguish between static priority rules and the dynamic priority rules in scheduling of jobs. (e) Differentiate between quality control and quality creation. (f) What are the similarities between materials requirement planning and just in time?  
(g) What cost elements does the carrying cost comprise of?  
7x2=14
2. (a) What do you mean by Operations Management? Discuss its nature and scope.  
(b) Define Location. Discuss the important factors which should determine the location of a plant. 7,7
3. What is the purpose of production planning and control? What techniques are employed to achieve this purpose? Discuss. 14

4.
  - (a) What are the different reasons for which a 'work study' may be done? Describe. 7,7
  - (b) What is Simo Chart? How is it used in work study? Explain.
5.
  - (a) Does ABC and VED classification help in managing inventories? Explain. 10,4
  - (b) Differentiate between safety time and safety capacity.
6. Derive materials handling. Can you avoid handling materials? Also
7. bring out the principles of materials handling. 14  
Define the term quality assurance. Bring out its importance in industry., 14
8. Write short notes on the following: 1.
  - (a) Line Balancing
  - (b) ISO-9000
  - (c) Acceptance sampling. 14

