

Roll No.

Total Pages : 02

MMS/M-20

13039

**PRODUCTION AND OPERATIONAL
MANAGEMENT
CP-206**

Time : Three Hours]

[Maximum Marks : 70

Note Attempt Five questions in all. Q. No. 1 is compulsory and each part of this question carries 4 marks. Remaining questions are of 10 marks each.

1. (a) Define artificial intelligence and its role in production management.
(b) What objectives must a plant layout serve ?
(c) Why material handling is considered as an important function ?
(d) Write a note on the role of Automation and Robotics in the manufacturing industry.
(e) What is Acceptance Sampling process ?
2. Briefly explain the functions and responsibilities of production and operations management in an Automobile Manufacturing Industry.

(2)L-13039

1

3. Discuss the factors on which location of a plant is decided. Elaborate these factors in connection with setting up a plant of your choice.
4. Explain the objectives and functions of Production Planning and Control under different Production Systems.
5. What is meant by capacity planning? What are the major short term and medium term decisions taken while planning capacity for an organization?
6. What is the importance of work study? How can it be used for increasing productivity?
7. Develop a system analysis model of material management and briefly discuss the role and functions of the various elements.
8. State briefly the various techniques used for inventory control.
9. Define quality of product and services. Explain the role of quality control functions in manufacturing industries.