

Production and Operations Management**Paper: CP-206**

Time: Three Hours]

[Maximum Marks: 70

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

All questions carry equal marks.

1. Write notes on :
 - (a) Layout Planning
 - (b) Batch Production
 - (c) Master Production Scheduling
 - (d) Job-order Manufacturing
 - (e) JIT
 - (f) ISO-9000
 - (g) Work measurement vs. Method study.
2.
 - (a) What do you mean by Production Management? Write a brief note on its nature and scope.
 - (b) Explain the guiding principles in designing a layout of facilities.
3.
 - (a) Write a detailed note on Product Planning.
 - (b) Write brief notes on :
 - (i) Line Balancing
 - (ii) Production Scheduling. 7,7
4.
 - (a) What do you mean by Materials Management? Explain its scope and importance.
 - (b) Explain the meaning and function of inventory control. 7,7

5. (a) Write notes on :
 (i) Buffer stock
 (ii) ABC analysis.
(b) Define Material Handling. 'Can you avoid handling material? Discuss. 7,7
6. (a) Explain the various methods of work study.
(b) What is Simo chart? How is it used in work study? 7,7
7. (a) Define Maintenance Management. Also discuss the various techniques used for maintenance management.
(b) Explain the importance of statistical quality control in industry. 7,7
8. Explain the procedure for undertaking a time study and the methods of calculation of standard time. Also distinguish between observed time and basic time. 14

