

Roll No.

Exam Code : J-19

Subject Code—0935

**P. G. Diploma in Production and
Operation Management EXAMINATION**

(For Batch 2018 Onwards)

PRODUCTION PLANNING AND CONTROL
PGDPOM-105

Time : 3 Hours

Maximum Marks : 70

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

1. Write short notes on the following : **7×2=14**

- (i) Objectives of production planning and control
- (ii) Gantt Chart
- (iii) Routing
- (iv) Objectives of inventory control

- (v) Advantages of line balancing
- (vi) FIFO and LIFO methods.
- (vii) Application of computers in production planning and control.

Unit I

2. What is production planning and control ? Briefly explain the various techniques used for production planning and control of a newly established organisation. **14**
3. 'Production inventory system refers to your level of materials and supplies on hand for use in manufacturing production.' Comment on the statement. **14**

Unit II

4. What do you mean by job shop planning ? explain factors affecting job shop planning in an organisation. **14**
5. 'Aggregate planning helps in smooth control of production.' Elaborate this statement. **14**

Unit III

6. 'Scheduling is the process by which you look at the time available to you and plan how you will use it to achieve goals you have identified.' Explain the statement and narrate how scheduling is used for production control ? **14**
7. What is meant by the term just-in-time production ? How does just-in-time manufacturing work ? **14**

Unit IV

8. Briefly explain key elements that should be considered in planning for high value standardised products. **14**
9. What is the contribution and necessity of ERP in production planning and control ? **14**