

April 2018

Time – Three hours
(Maximum Marks: 75)

*[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory.
Answer any FOUR questions from the remaining in each PART – A
and PART – B*

(2) Answer division (a) or division (b) of each question in PART – C.

*(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and
10 marks in PART – C.]*

PART – A

1. Define plant layout.
2. What is arbitration?
3. Define productivity.
4. What is PMTS?
5. Define job order production.
6. List any two benefits of ISO to an organisation.
7. What is JIT?
8. Define debentures.

PART – B

9. Write a short note on process type layout.
10. Compare between breakdown maintenance and preventive maintenance.
11. Explain briefly about string diagram.
12. Describe the procedure in making a time study.
13. Explain critical path method (CPM).
14. State the differences between inspection and quality control.
15. List the qualities of a good leader.
16. List the objectives of good stock control system.

PART – C

17. (a) Explain the factors influencing plant location.

(Or)

(b) State the important provisions of factories act 1948 governing safety and health of workers.

18. (a) Explain two handed process chart with a neat sketch.

(Or)

(b) Write short notes on the following:

(i) Analytical estimating.

(ii) Synthesis from standard data.

(iii) Ratio-delay study.

19. (a) Explain the major functions of production planning and control (PPC) in detail.

(Or)

(b) Explain the various types of inspection.

20. (a) Explain the principles of F.W.Taylor's scientific management.

(Or)

(b) Write short notes on: (i)Halsey's 50% plan (ii)Rowan's plan.

21. (a) Explain by means of a block diagram how the selling price of a product is determined.

(Or)

(b) Explain Economic Order Quantity (EOQ) with a sketch.
