

October 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. Name any four factors to be considered for the selection of site for industry.
2. Mention the personal factors which increase the risk of accident.
3. Write any two objectives of work study.
4. Define routing.
5. Classify sampling plan.
6. Write any four applications of management information system.
7. What is meant by lead time?
8. Draw the symbols used for representing temporary storage and storage in process charts.

PART – B

9. Write short notes on arbitration.
10. Explain any three factors considered for selection of material handling equipment.
11. Explain with block diagram, how the standard time is calculated.
12. What are the advantages of statistical quality control?
13. Explain briefly the sources of recruitment.
14. What are the merits of equity shares?
15. Explain the different elements of inventory carrying cost.
16. What are the functions of disciplinarian and inspector in pure functional organisation?

[Turn over.....

PART - C

17. (a) What are the types of maintenance? Explain any two and state its advantages.

(Or)

(b) Explain the types of layout with line diagram.

18. (a) What are the various means by which productivity can be increased? Briefly explain each.

(Or)

(b) Write short notes on: (i) Employees rating factor (ii) Analytical estimating.

19. (a) (i) Explain the factors to be considered for make or buy decision.

(ii) Explain job order production with an example.

(Or)

(b) Explain the construction of \bar{X} and R-charts.

20. (a) Explain briefly the scientific management advocated by F.W. Taylor.

(Or)

(b) What are the components of wages? Describe each of them.

21. (a) Explain the methods of depreciation.

(Or)

(b) (i) What are the objectives of purchasing department?

(ii) The following costs are booked against a work order:

Direct materials = ₹. 7000; Direct labour = ₹. 3500; the factory overhead is 60% based on direct material. The administrative and selling overhead 100% based on direct labour. Determine the cost per unit, if the batch size as per the work order is 350 units.