4649

BOARD DIPLOMA EXAMINATION, (C–14)
MARCH/APRIL—2018
DME—FIFTH SEMESTER EXAMINATION

INDUSTRIAL MANAGEMENT

Time : 3 hours]   [*Total Marks* : 80

PART—A   3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write the skills of a manager.

2. Define the terms 'forecasting' and 'planning'.

3. Define organizational structure and organizational behaviour.

4. What is sole proprietorship? Write its advantages.

5. Define job description and job specification.

6. Write a short note on different types of production.

7. Explain the terms 'activity' and 'event' with examples.

8. How do you classify the material handling equipment? Give examples.

9. Define purchasing. What are its objectives?

10. State the duties of a storekeeper.

PART—B
10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain the principles of scientific management stated by F. W. Taylor.

12. *(a)* What are the important functions of management? Explain any two of them.

(b) Differentiate between partnership and joint stock companies.

13. Explain line and staff organization with the aid of sketch and state the advantages and disadvantages.

14. Explain different types of leadership models.

15. Explain in step-by-step the importance of production planning and control.

16. A project has the following activities and the expected duration time of each activity is given below :

Activity	1–2	1–3	1–4	2–5	3–6	3–7	4–6	5–7	6–7	6–8	7–8
Expected duration time (in days)	6	4	1	5	8	9	3	1	0	8	2

(a) Draw the project network

(b) Identify the critical path.

(c) Calculate the project duration.

17. What is the break even analysis? Illustrate graphically the concept of breakeven point.

18. Annual demand of a particular product is 18000 units. Ordering cost is ₹ 400 per order. Inventory carrying cost ₹ 1·20 per unit per year. Cost per unit ₹ 1·00. Assuming no shortages, determine—

(a) economic order quantity;

(b) number of orders per year;

(c) time between orders;

(d) total inventory cost;

(e) total annual cost.

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