



C14-M-501

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**4642**

**BOARD DIPLOMA EXAMINATION, (C-14)  
OCTOBER/NOVEMBER-2018  
DME-FIFTH SEMESTER EXAMINATION**

INDUSTRIAL MANAGEMENT

Time : 3 Hours ]

[ Total Marks: 80

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**PART-A**

3X10=30

- Instructions :**
1. Answer **All** questions.
  2. Each question carries **Three** marks.
  3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. Define the terms (a) Business (b) Industry
2. Name any six important functions of management.
3. Mention about the organization structure?
- \* 4. What is job analysis? State the purpose of it.
5. Write any six essential qualities of leader?
6. State any three advantages of production planning.
7. What is activity and event.
8. List out any six purchase records.
9. Define the terms (a) Re-order level (b) Lead time.
10. Write any three advantages of material handling system.

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## PART-B

10X5=50

*Instructions* :

1. Answer any **Five** questions.
2. Each question carries **ten** marks.
3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. What are the various scientific management principles stated by F.W Taylor?
12. (a) Describe briefly about different management skills.  
(b) Write any five differences between sole proprietorship and partnership.
13. What is an organization? Explain the various principle of good organization.
14. What is decision making? Describe the various phase of decision making process.
15. (a) Write short notes on job production with its advantages.  
(b) Write any five differences between CPM and PERT.
16. A small project composed of seven activities as given below. Time is given in days

Activity	Optimistic Time ( $t_0$ )	Most likely Time ( $t_m$ )	Pessimistic time ( $t_p$ )
1-2	1	1	7
1-3	1	4	7
1-4	2	2	8
2-5	2	2	2
3-5	2	5	14
4-6	2	5	8
5-6	3	6	15

- a. Draw the network for the given project
  - b. Identify the critical path
  - c. Find the project duration.
  - d. Find the slack at each event
17. (a) When working at full capacity, a plant can produce 1,00,000 units which can be sold at Rs. 20/- per unit. If the fixed expenses are Rs. 5,00,000/- and the variance expenses are Rs. 10/- per unit. Find (1) Break even point (Rupees) and (2) the profit when 80% of the capacity of the plant is utilized.
  18. (a) Write any three advantages and three disadvantages of Break Even analysis.  
(b) Describe in short about central purchase organization.

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