

*

**C16-A-AEI-CHST-CM-ECE-EEE-
GT-IT-M-PCT-PET-RAC-501**

6601

BOARD DIPLOMA EXAMINATION, (C-16)

MAY/JUNE—2023

DAE - FIFTH SEMESTER EXAMINATION

INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGIES

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. Differentiate between management and administration.
2. List different types of ownerships.
3. State the objectives of plant layout.
4. Mention the importance of material management in industries.
5. List different hazards in industry.
6. Define the word entrepreneur.
7. Give the list of elements of quality systems.
8. List beneficiaries of ISO 9000.
9. Define IoT.
10. List the key features of IoT.

*

PART—B

10×5=50

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** Explain the importance of technical, human and conceptual managerial skills. 10
- 12.** Explain the process of selection, recruitment, training and development. 10
- 13.** (a) Explain the organization structure and behaviour of individual in it. 5
(b) Explain scheduling methods. 5
- 14.** Draw the network diagram and determine the critical path for the following project : 10

| | | | | | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity | 1-2 | 1-3 | 1-4 | 2-5 | 3-6 | 3-7 | 4-7 | 5-8 | 6-8 | 7-9 | 8-9 |
| Time(weeks) | 5 | 6 | 3 | 5 | 7 | 10 | 4 | 2 | 5 | 6 | 4 |

- 15.** Explain ABC analysis. 10
- 16.** Explain principles for good housekeeping. 10
- 17.** Describe the details of self-employment schemes. 10
- 18.** How does IoT influence the development of smart factory and smart manufacturing. 10

★ ★ ★