

*



C-16-A-AEI-CHST-CM-ECE-

EEE-GT-IT-M-PCT-PET-RAC-501

6601

BOARD DIPLOMA EXAMINATION, (C-16)

JANUARY/FEBRUARY—2022

FIFTH SEMESTER (COMMON) 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. Distinguish between management and organization.
2. List out different types of ownership in industries.
3. Define the terms : Routing and Scheduling.
4. State the principle of ABC analysis.
5. What are the objectives of safety in an industrial situation?
6. Mention any three qualities of a good entrepreneur.
7. What are ISO and ISO 9000?
8. What is the concept of TQM and how is it defined?
9. Define the term IoT.
10. List out various components 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 functions of Management.
12. Explain the features of Line and Staff organization with neat sketches.
13. (a) Explain Trait's theory of leadership.
(b) State the factors influencing the site selection for plant location.
14. A project has nine activities, the expected time of each activity is as follows :

Activity	1-2	1-3	1-4	2-5	3-5	3-6	4-6	5-7	6-7
Expected time (days)	5	4	7	6	10	7	8	5	6

- (a) Draw the project network
(b) Identify the critical path
(c) Find the project duration
15. Explain the functions of Purchase department.
16. Briefly explain the safety measures provided in the Factories Act.
17. Explain the following :
(a) Market survey
(b) Demand survey
18. Describe the concept of Smart energy and Smart Grids with neat sketches.