



**C20-EE-501**

**7645**

**BOARD DIPLOMA EXAMINATION, (C-20)**

**OCTOBER/NOVEMBER—2023**

**DEEE – FIFTH SEMESTER EXAMINATION**

**INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGIES**

*Time : 3 Hours ]*

*[ Total Marks : 80*

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**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. Define the terms business, trade and commerce.
2. List any departments that exist commonly in any organization.
3. Define (a) safety stock, (b) re-order level and (c) lead time.
4. State the functions of material management.
5. State various hazards that can occur in an industry.
6. Give any six indirect costs of accidents.
7. Mention the requirements of an entrepreneur.
8. Define the term Total Quality Management (TQM).
9. List out the beneficiaries of ISO 9000.
10. Write down the components of Internet of Things (IoT).

**PART—B**

8×5=40

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

**11.** (a) State and explain the principles of scientific management. 8

**(OR)**

(b) State the levels of management and explain various managerial skills to be possessed by each level of manager. 8

**12.** (a) State and explain different types of leadership styles. 8

**(OR)**

(b) Explain job specifications and job analysis and job description in detail. 8

**13.** (a) What is the importance of inventory management? Explain ABC analysis. 2+6=8

**(OR)**

(b) Anil and Company buys its annual requirement of 36000 units in six installments. Each unit costs ₹1 and the ordering cost is ₹25. The inventory carrying cost is estimated at 20% of unit value. Find the total annual cost of the existing inventory policy. How much money can be saved by E.O.Q? 8

**14.** (a) Explain the factors that affect the selection of site. 8

**(OR)**

(b) Explain any two self-employment schemes. 8

**15.** (a) What are the advantages and disadvantages of IoT? 8

**(OR)**

(b) Explain the concept of smart energy and explain the working of smart grid. 8

**PART—C**

10×1=10

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

- 16.** Is communication important in any organization? If your answer is yes, then explain various stages in communication process.

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