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**7640**

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

**MAY/JUNE—2023**

**DECE - 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. State the need for management.

2. Define social responsibilities.

3. Define decision making.

4. Classify electronic products.

5. What is bump testing?

6. What is Bill of Materials (BOM)?

7. List any three characteristics of successful entrepreneur.

8. Explain the concept of Make In India.

9. Define the term IoT.

10. List any three advantages of IoT.

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- 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) Explain the traits theory of leadership.

**(OR)**

(b) Explain Maslow's hierarchy of needs.

**12.** (a) Explain the concept of product development with a block diagram.

**(OR)**

(b) Explain R & D prototype assessment of reliability.

**13.** (a) Explain power supply requirements of an electronic product.

**(OR)**

(b) Explain grounding, shielding and guarding techniques.

**14.** (a) Describe the various self-employment schemes in India.

**(OR)**

(b) Explain the contents of feasibility report study.

**15.** (a) Explain the application of IoT in the context of Smart Energy and the Smart Grid.

**(OR)**

(b) Explain the application of IoT for Smart Health.

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**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.** Explain assembly and fabrication related documentation for laminate grade.

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