

\*

7640

BOARD DIPLOMA EXAMINATION, (C-20)

DECEMBER—2022

DECE - 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 business ownerships.
3. Draw the block diagram of the line organization.
4. What is thermal management?
5. What is vibration testing?
6. List different types of documentation.
7. Define the word entrepreneur.
8. What is market survey?
9. List any three key features of IoT.
10. List the components of 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) Explain the functions of management.

**(OR)**

(b) Explain the factors of effective organisation.

**12.** (a) Explain the product packaging and storage.

**(OR)**

(b) Explain bathtub curve stages with suitable diagram.

**13.** (a) (i) Explain quality considerations.

(ii) List the reasons for failure of an electronic product.

**(OR)**

(b) Explain power supply requirements of an electronic product.

**14.** (a) Explain the role of entrepreneurs in promoting small scale industries.

**(OR)**

(b) Explain the factors to be considered on the selection of site.

**15.** (a) Explain the application of IoT in the context of food and water tracking and security.

**(OR)**

(b) Explain the application of IoT in smart transportation and mobility.

**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 EMI and EMC compliance testing standardizations.

★★★

\*