



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

**6601**

**BOARD DIPLOMA EXAMINATION, (C-16)**

**NOVEMBER—2020**

**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. Define the terms industry, commerce and business.
2. List out any six advantages of sole proprietorship.
3. State the need of planning with its advantages.
4. Define safety stock.
5. List out different hazards in industries.
6. What is a self-employment scheme?
7. State the principles of quality assurance.
8. Define the term quality control.
9. List the advantages of IoT.
10. What is a smart city?

\*

**PART—B**

10×5=50

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

11. Explain the principles of scientific management.
12. Define motivation and explain Maslow's hierarchy of needs theory.
13. Explain break even analysis with aid of chart.
14. (a) State the advantages and disadvantages of joint stock company.  
(b) Define the terms routing and dispatching.
15. Explain ABC analysis in inventory control with a graph.
16. Explain the 5s principles for good housekeeping.
17. Explain market survey and demand survey.
18. Explain smart energy and the smart grid with a neat sketch.

\*

★ ★ ★

\*