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

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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

DME - 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. Distinguish between administration and management.

2. Define job description and job specification.

3. What are the advantages of PPC?

4. State the duties of a store keeper.

5. List out different hazards in industries.

6. What are the expectations of an entrepreneur?

7. List the beneficiaries of ISO 9000.

8. Mention brief concept of quality.

9. List out the key features of IoT.

10. List out the various IoT applications.

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. State the principles of management as listed out by Henry Fayol. Explain them.

12. State and explain Maslow's need hierarchy theory of motivation.

13. *(a)* What is meant by communication? Explain briefly the process of communication.

(b) Distinguish between PERT and CPM.

14. What is break-even analysis? Illustrate graphically the concept of break-even point.

15. *(a)* What is economic order quantity? Derive an expression for economic order quantity with reference to deterministic model assuming no shortages.

(b) Annual consumption of a certain product is 36,000 units. The ordering cost is ` 25 and cost per unit is ` 1. If the inventory carrying cost is 20% per annum, find the economic order quantity.

16. Explain the various direct and indirect losses of accidents.

17. What is the need for market survey? How is it conducted?

18. Explain smart energy and the smart grid with a neat sketch.

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