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BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER / NOVEMBER—2024

DCME – FIFTH SEMESTER EXAMINATION

INDUSTRIAL MANAGEMENT AND ENTREPRENEURSHIP

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, business.

2. List Maslow's hierarchy of human needs.

3. Define communication process with a neat sketch.

4. List different types of production.

5. Define fixed point layout. State any two applications.

6. Define ABC analysis.

7. List out the benefits of 5'S principles.

8. List out the ISO 9000 series.

9. Define the terms quality system, quality control.

10. State the importance of PDCA cycle.

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 about the principles of scientific management by F. W. Taylor. 8

(OR)

(b) Write short notes on *(i)* administration and *(ii)* management. 4+4

12. *(a)* Define organization structure? Explain 1 i n e and staff organization with a neat sketch. 3+5

(OR)

(b) State the differences between delegation and decentralization. 8

13. *(a)* Explain the different types of plant location. 8

(OR)

(b) A project has nine activities. Where time estimate are as follows : 8

Activity	1-2	1-6	2-3	2-4	3-5	4-5	6-7	5-8	7-8
Optimistic time	2	2	5	1	5	2	3	2	7
Most likely time(tm)	5	5	11	4	11	5	9	2	13
Pessimistic time(tp)	14	8	29	7	17	14	27	8	31

   (i) Draw the PERT network.

  (ii) Identify the critical path.

 (iii) Find the project duration.

 (iv) Calculate slack for each event.

14. *(a)* Explain about ABC analysis with the help of a graph. 8

(OR)

(b) Explain the applications of RFID technology in material management. 8

15. *(a)* Explain different types of self-employment schemes.   8

<div align="center">**(OR)**</div>

(b) Explain William Deming PDCA.   8

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PART—C   10×1=10

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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 in detail about the EOQ analysis with the help of a diagram.

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