



C20-MNG-501

7661

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER / NOVEMBER—2023

DMNG – FIFTH SEMESTER EXAMINATION

MINE 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 (a) Management and (b) Organization.
2. List three characteristics of Scientific management.
3. Define the terms (a) entrepreneurship and (b) Break Even analysis.
4. State any three risks and rewards encountered by an entrepreneur.
5. Define (a) total quality management and (b) training.
6. List any three quality systems and any three elements of quality systems.
7. Define (a) network analysis and (b) CPM.
8. State the objectives of network analysis.
9. State the principle of working of IoT.
10. List the components of IoT.

- 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 different functions of management.

(OR)

(b) Draw the organization chart of a conventional Underground mine.

12. (a) Explain the Maslow's theory of motivation.

(OR)

(b) Explain the method of product and site selection.

13. (a) Describe the basic concepts of TQM and pillars of TQM.

(OR)

(b) State the outstanding features and drawbacks of ISO 9000 series of standards.

14. (a) State the guidelines for construction of network diagrams.

(OR)

(b) Compare PERT with CPM.

15. (a) Describe the application of IoT in Smart Cities.

(OR)

(b) Write down 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. A Project has 9 activities. The expected time of each activity is as follows.

Activity	1-2	1-3	2-4	2-5	3-5	3-6	4-7	5-7	6-7
Expected Time (Days)	6	4	8	5	9	4	1	5	2

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