TED (15/19) 5001
(Revision-2015/19)

A25 - 8382

Reg.No..............................
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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/ COMMERCIAL PRACTICE, APRIL - 2025

INDUSTRIAL MANAGEMENT & SAFETY

[Maximum marks: 100]   [Time: 3 Hours]

PART – A
Maximum marks: 10

I.   (Answer *all* the questions in one or two sentences. Each question carries **2** marks)

1. List different types of ownership.

2. Define job analysis.

3. List any four characteristics of quality.

4. Define dummy activity.

5. Define the term accident proneness.   (5 x 2 = 10)

PART – B
Maximum marks: 30

II.   (Answer any *five* of the following questions. Each question carries **6** marks)

1. Draw the line and staff organization chart.

2. List the activities of man power planning.

3. Identify the link between ISO-9001 and TQM.

4. List the functions of store keeping.

5. Distinguish between CPM and PERT.

6. Mention environmental factors causing accident.

7. Describe the profile requirements of an entrepreneur.   (5 x 6 = 30)

PART – C
Maximum marks: 60
(Answer *one full* question from each unit. Each full question carries **15** marks)

UNIT – I

III.   (a) Describe Henry Fayol's principles of management.   (8)

        (b) State the functions of human resource management.   (7)

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IV. (a) List the classification of Co-operative societies. (6)

(b) Define different types of wages. (9)

UNIT - II

V. (a) List the elements of ISO 9000 series. (8)

(b) List the ten "manthras" of TQM. (7)

VI. (a) List the steps involved in purchase procedure. (9)

(b) List any six functions of sales department. (6)

UNIT - III

VII. (a) A project has nine activities, the expected time for each activity is as follows

Activity	1-2	2-3	2-4	3-4	3-5	4-5	5-6	3-6	4-6
Expected time in weeks	3	3	2	0	3	7	6	2	5

(i) Draw the project network.
(ii) Identify the critical path.
(iii) Find duration of the project. (9)

(b) List different applications of CPM and PERT. (6)

VIII. (a) Define the following terms.

(i) Earliest finish time (ii) Latest finish time (iii) Critical path (iv) Slack. (8)

(b) List the steps involved in graphical method of solution for LPP. (7)

UNIT – IV

IX. (a) Discuss the 4 E's of accident prevention technique. (10)

(b) List five personal factors causing accident. (5)

X. (a) List any six risk taking qualities of an entrepreneur. (6)

(b) State the steps involved in starting small-scale industry. (9)