

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2019**
CONSTRUCTION MANAGEMENT AND SAFETY ENGINEERING

[Maximum Marks: 100]

[Time: 3 Hours]

PART-A

[Maximum Marks: 10]

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

- I. 1. What is the feasibility report?
2. Define Critical Path.
3. Define Contract.
4. What is meant by M-Book?
5. Define “Entrepreneurship”.

(5x 2 = 10)

PART-B

[Maximum Marks: 30]

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

- II. 1. What are the factors involved in construction management?
2. Explain the term “Administrative approval and Technical Sanction.”
3. What is meant by pre-measurement? Give any two examples.
4. Explain the procedure to be followed for write off of stores.
5. List the functions of Salesmanship.
6. Write the short note on optimum uses of Material.
7. What are the expectations from an entrepreneur?

(5x 6 = 30)

PART-C

[Maximum Marks: 60]

(Answer *one* full question from each Unit. Each question carries 15 marks)

UNIT -I

- III. (a). What is a project report? What information should a project report furnish (any seven). (8)
• (b). What are the objectives of Construction management? (7)

OR

- IV. (a). Draw a network diagram and explain Activity, Event and Duration. (8)
(b). Describe the advantages of CPM Network in the execution of project. (7)

UNIT -II

- V. (a). Distinguish between Permanent and work charged establishment. (8)
(b). What are the particulars to be furnished in a tender document. (7)

OR

- VI. (a). Briefly explain the following items.
(i). Tender Notice (ii). Negotiation (iii). Work Order (iv). Check Measurement. (8)
(b). What are the deductions to be made from the bills. (7)

UNIT -III

- VII. (a). Describe the operation of the following Earth moving equipment.
(i). Power shovel (ii). Drag line (iii). Hoes (iv). Bull dozer. (8)
(b). List the different equipment used in Concreting and write their uses. (7)

OR

- VIII. (a). What are the advantages of Training Programme (any seven) (7)
(b). Explain the following:-
(i). Necessity of Training the employees. (ii). Roll of Trade Union. (8)

UNIT -IV

- IX. (a). Write what are the steps to be followed to prevent accidents in Construction
(any seven points) (7)
(b). Define ISO 9000 and write any six elements of quality system. (8)

OR

- X. (a). Name of the various agencies promoting Small Scale Industries. (7)
(b). List basic guide lines to be followed for safety in Construction Industry (any seven). (8)