

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – NOVEMBER -2020.

CONSTRUCTION MANAGEMENT AND SAFETY ENGINEERING

(Maximum Marks : 100)

[Time : 3 hours]

PART-A
(Maximum marks: 10)

Marks

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

1. Define the term construction management.
2. Define the term planning.
3. Define tender.
4. Define human resource management.
5. Describe the term entrepreneurship.

(5x2=10)

PART - B
(Maximum Marks : 30)

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

1. List out the factors considered in preliminary planning.
2. Differentiate between CPM and PERT.
3. Write the advantages of lump sum contract.
4. List out the rules to be followed in recording measurements in measurement book.
5. List out the objects of human resource management.
6. Describe the small scale industry and its role in economic development.
7. Identify the causes and effects of accident.

[5x6 =30]

PART - C
(Maximum marks : 60)

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

UNIT I

III (a) Differentiate between feasibility report and project report. (9)

(b) Explain the following (i)Budget provision (ii)Administrative sanction

(iii) Technical sanction. (6)

OR

- IV** (a) Explain the organizational set up of PWD and list the duties of officers. (9)
(b) Explain the concept of material schedule and labour schedule. (6)

UNIT- II

- V** (a) Explain the information to be furnished in tender notice. (9)
(b) Differentiate between permanent establishment and work charged establishment. (6)

OR

- VI** (a) Explain the pre measurement and check measurement of works. (9)
(b) Differentiate between earnest money deposit and security deposit. (6)

UNIT- III

- VII** (a) Explain the procedure of recruitment, selection and appointment of employee. (9)
(b) List out the points to be considered for selection of materials as per standard. (6)

OR

- VIII** (a) List out the uses and explain the procedure of operation of a dragline. (9)
(b) Explain the necessity for periodical inspection of stores. (6)

UNIT – IV

- IX** (a) List out the general principles of safety in construction. (9)
(b) Explain the role of an entrepreneur. (6)

OR

- X** (a) Explain quality system and elements of quality system. (9)
(b) Describe the requirements of a licensed surveyor and contractor. (6)
