

TED (10) – 3030

(REVISION — 2010)

Reg. No.

Signature

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2018

CONSTRUCTION MANAGEMENT AND SAFETY ENGINEERING

[Time : 3 hours

(Maximum marks : 100)

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 constructional planning.
3. Define the term contract.
4. Define the term Human resource management.
5. Define the term Entrepreneur.

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. List the factors involved in construction management.
2. Explain Bar chart and its limitations.
3. List the advantages and disadvantages of item-rate contract.
4. List the rules to be followed in recording measurement.
5. Differentiate recruitment, selection and appointment.
6. List the general principles of safety in construction industry.
7. Write short notes on the following.

(a) Licenced Surveyor (b) Contractor

(5×6 = 30)

PART — C

(Maximum marks : 60)

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

UNIT — I

- III (a) Explain the importance of preliminary planning. 6
 (b) Write short notes on the following. 9
 (i) Budget provision
 (ii) Administrative sanction
 (iii) Technical sanction

OR

- IV (a) Explain constructional planning. 6
 (b) List the data to be collected before implementing a project. 9

UNIT — II

- V (a) Distinguish between permanent and work charged establishment. 6
 (b) Explain the steps involved in checking bills. 9

OR

- VI (a) Explain the following terms : 6
 (i) Earnest Money Deposit (EMD)
 (ii) Security Deposit (SD)
 (b) Explain the advantages and disadvantages of item rate contract. 9

UNIT — III

- VII (a) Write short notes on :
 (i) Labour welfare (ii) Trade union 6
 (b) Write any six objectives of Human Resource Management. 9

OR

- VIII (a) Write short notes on :
 (i) Indent (ii) Stock register 6
 (b) (i) List the types of concrete mixers used (ii) Uses of Bulldozers 9

UNIT — IV

- IX (a) Explain Site Engineers role in prevention of accidents in work site. 6
 (b) List out the role of Small Scale Industries in economic development 9

OR

- X (a) Explain the role of Entrepreneur in economic development. 6
 (b) List out any nine elements of Total Quality Management 9