

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, Mid semester Examination-January-2023

Semester: 4th

Subject Code: 03607283

Subject Name: Electrical Estimation and Contracting

Date: 23/01/2023

Time: 7.50 am to 9.20 am

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1 Answer any six out of Ten. (2 Marks Each) (12)

1. Draw block diagram of permit to work
2. Draw wiring diagram of stair case wiring
3. Define Estimation
4. List out the abilities of good estimator
5. State the merits of contract
6. Describe about the SD
7. List out the typical types of tender
8. List types of non-industrial installation
9. Classify the tests to be carried out on electrical installation
10. Draw diagram of underground service main system

Q.2 A) State the purpose of electrical estimating and costing (03)**OR**

- A) Draw and explain Go-down wiring in detail (03)
B) Explain total cost in detail (03)

OR

- B) List types of electrical installation and explain any one in detail (03)
C) Explain safety instructions in detail (04)

OR

- C) Explain scientific estimation (04)
D) Explain overhead charge in detail (04)

Q.3 A) State the advantages of overhead system. (03)**OR**

- A) Illustrate the Point to be consideration for selection of cable size (03)
B) Write a short note on the schedule of rates (03)

OR

- B) Explain earnest money deposit (03)
C) Explain any one Electrical Installation test. (04)

OR

- C) Explain plate earthing in detail with diagram (04)
D) Write short note on inquiry-based purchase procedure (04)

