

Course: B. Tech.

Branch: Civil Engineering

Semester: VII

Subject Code & Name: BTCVC704 Professional Practices

Max Marks: 60

Date: 10/08/2022

Duration: 3.45 Hrs.

Instructions to the Students:

1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

(Level/CO) Marks

Q.1 Solve Any Two of the following.

- A) Define estimating and explain its significance. (CO1) 6
- B) Illustrate various items of inclusions and their specifications. (CO1) 6
- C) Discuss types of estimates. (CO1) 6

Q.2 Solve Any Two of the following.

- A) Explain administrative and technical sanctions. (CO1) 6
- B) Illustrate center wall method of measurement. (CO1) 6
- C) Enlist various items of work and their units of measurement. (CO2) 6

Q.3 Solve Any Two of the following.

- A) Calculate the quantities of work for a 4m x 5m room by using long wall - short method. (CO2) 6
- B) Carry out rate analysis for the quantities calculated in Q.3 (A) (CO2) 6
- C) Discuss various methods of calculating earthwork of canals. (CO2) 6

Q.4 Solve Any Two of the following.

- A) Explain tendering and its types. (CO3) 6
- B) Describe process of competitive bidding in detail. (CO3) 6
- C) Explain contracts and its types. (CO3) 6

Q.5 Solve Any Two of the following.

- A) Explain arbitration and functions of arbitrator. (CO3) 6
- B) Illustrate factors affecting valuation. (CO4) 6
- C) Describe various methods of Depreciation. (CO4) 6

*** End ***