

**Supplementary Semester Examination – Summer 2022**

**Course: B. Tech.**

**Branch: Civil Engineering**

**Semester: VII**

**Subject Code & Name: BTCV704 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

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