

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.

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|---------------------------------------------------------------------|-------|---|
| 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.

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|-----------------------------------------------------------------|-------|---|
| 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.

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|-------------------------------------------------------------------------------------------|-------|---|
| 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.

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|-------------------------------------------------------|-------|---|
| 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.

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|-----------------------------------------------------|-------|---|
| 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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