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Question Paper Code: 46102

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Sixth Semester

Civil Engineering

14UCE602 - ESTIMATION COSTING AND VALUATION ENGINEERING

(Regulation 2014)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

- The order of booking dimensions is
 - Length, breadth, height
 - Height, breadth, length
 - None of these
 - Breadth, length, height
- A portion of an embankment having a uniform up-gradient 1 in 500 is circular with radius 1000 m of the centre line. It subtends 180° at the centre. If the height of the bank is 1 m at the lower end, and side slopes 2:1, the earth work involved
 - 27, 000 m³
 - 26, 000 m³
 - 27, 500 m³
 - 27, 500 m³
- In long and short wall method of estimation, the length of long wall is the centre to centre distance between the walls and
 - Breadth of the wall
 - Half breadth of wall on each side
 - One fourth breadth of wall on each side
 - None of these
- _____ of the skilled labour in the provided data may be taken as Ist class.
 - 30%
 - 70%
 - 50%
 - 90%
- The main factor to be considered while preparing a detailed estimate, is
 - Quantity of the materials
 - Availability of materials
 - Transportation of materials
 - All the above

6. The brick work is not measured in cu m in case of
- (a) One or more than one brick wall (b) Brick work in arches
(c) Reinforced brick work (d) Half brick wall
7. The expected out turn of 2.5 cm cement concrete floor per mansion per day
- (a) 2.5 sqm (b) 5.0 sqm (c) 7.5 sqm (d) 10 sqm
8. The rates quoted by a contractor in response to tender call are called
- (a) Quotations (b) overhead cost
(c) capital cost (d) book value
9. _____ is a contact deed between the government and the contractor.
- (a) Tender (b) contract agreement
(c) contract (d) muster roll
10. For the construction of buildings, the subheads of the estimate are
- (a) Earthwork, Concrete work, Brick work
(b) Brickwork, Stone work, Roofing
(c) Brickwork Flooring, Wood work, Steel work
(d) All the above

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Different types of estimate and briefly explain any four. (8)
12. Explain the terms below:
- (i) Analysis of rates
- (ii) Particular of item in rate analysis (8)
13. Define specification and explain types of specification in detail. (8)
14. Mention the conditions of contract. (8)
15. Define valuation and also explain methods of valuations. (8)