

Program: BE --CIVIL Engineering

Curriculum Scheme: Revised 2012

Examination: Final Year BE

Course Code: CEC702 and Course Name: Quantity Survey Estimation and Valuation

Time: 1 hour

Max. Marks: 50

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09 October 2020\_R12\_CE\_VII\_CEC702\_QP3

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Workout the total cost of a small project having cost of construction as Rs. 1,00,000; Contractor overhead and profit 15% and contractor tax 5%.
Option A:	120000
Option B:	120750
Option C:	115000
Option D:	120550
Q2.	Calculate the number of cement bags required for 500 kg of cement.
Option A:	10
Option B:	5
Option C:	25
Option D:	50
Q3.	Approximate Estimate is also Called as
Option A:	Revised Estimate
Option B:	Supplementary Estimate
Option C:	Preliminary Estimate
Option D:	Materials Estimate
Q4.	Which one of the following method is used for Approximate Estimation?
Option A:	Centre line Method
Option B:	Crossing Method
Option C:	Long & Short wall Method
Option D:	Square meter method
Q5.	What is the extra length of bent up bar for 45° bent up where d is the depth
Option A:	0.32 d
Option B:	0.35 d
Option C:	0.42 d
Option D:	0.45 d

Q6.	The relation between weight, diameter and length of the steel is
Option A:	DL <sup>2</sup> /162
Option B:	LD/162
Option C:	LD <sup>2</sup> /162
Option D:	LD <sup>2</sup> /172
Q7.	The density of steel may be taken as
Option A:	8850 kg/m <sup>3</sup>
Option B:	7850 kg/m <sup>3</sup>
Option C:	6850 kg/m <sup>3</sup>
Option D:	5850 kg/m <sup>3</sup>
Q8.	The Bar bending Schedule is prepared to calculate the quantity of
Option A:	Concrete
Option B:	Earthwork
Option C:	Steel
Option D:	Aggregate
Q9.	If d is the diameter of the bar, the lap length in tension member is
Option A:	60 d
Option B:	50 d
Option C:	40 d
Option D:	30 d
Q10.	What is the clear cover for the footing according to IS 456
Option A:	10 mm
Option B:	30 mm
Option C:	20 mm
Option D:	50 mm
Q11.	The ground surface slopes 1 in 50 along a proposed railway embankment 150 m in length. The height of the embankment at zero chainage is 0.5 m, the width is 11 m and side slopes 2: 1. If the falling gradient of the embankment is 1 in 150, the quantity of the earthwork calculated by prismoidal formula, is
Option A:	3250 m <sup>3</sup>
Option B:	3225 m <sup>3</sup>
Option C:	3275 m <sup>3</sup>
Option D:	3300 m <sup>3</sup> .
Q12.	If the formation level of a highway has a uniform gradient for a particular length, and the ground is also having a longitudinal slope, the earthwork may be calculated by
Option A:	Interpolation formula
Option B:	Extrapolation formula
Option C:	Prismoidal Formula

Option D:	Sigmoidal formula
Q13.	which of the assumption for calculating earthwork is incorrect
Option A:	The end sections are parallel planes
Option B:	The mid-area of a pyramid is three-fourth of the average area of the ends
Option C:	The volume of the prismoidal is over estimated and hence a prismoidal correction is applied
Option D:	The mid-area of a pyramid is half of the average area of the ends
Q14.	Bills raised at certain intervals of cumulative nature, for the portion of work completed are called
Option A:	Part bills
Option B:	Final bills
Option C:	Running bills
Option D:	Labor bills
Q15.	The site office and administrative setup associated with a project is included in
Option A:	work charged establishment
Option B:	contingencies
Option C:	sundries
Option D:	contractors' profit
Q16.	Technical sanction of a project is obtained after submission of
Option A:	Initial budget
Option B:	Approximate estimation
Option C:	Tendering
Option D:	Detailed estimation
Q17.	Capital amount to be invested in order to receive an annual income of Re 1.00 at a given rate of interest is called
Option A:	Years purchase
Option B:	Annuation
Option C:	sinking fund
Option D:	capital investment
Q18.	Calculate constant depreciation by straight line method for a machine purchased at Rs. 25000, having useful life of 10 years and salvage value Rs. 5000
Option A:	2000
Option B:	1000
Option C:	5000
Option D:	3000
Q19.	What is percentage rate of annual depreciation for an equipment having initial cost Rs. 8000 scrap value Rs. 1000 and useful life 5 years
Option A:	0.43
Option B:	0.23

Option C:	0.34
Option D:	0.45
Q20.	After the acceptance of tender which letter is to be issued to the contractor to take up the work.
Option A:	Work order
Option B:	Award of contract
Option C:	Acceptance letter
Option D:	Tender notice
Q21.	Earnest money deposit is not accepted in
Option A:	Challan
Option B:	Draft
Option C:	Cash
Option D:	Cheque
Q22.	Annuity is receivable for an indefinite period
Option A:	annuity due
Option B:	perpetual annuity
Option C:	annuity certain
Option D:	amortization
Q23.	An amount which has to be set aside at fixed intervals of times
Option A:	net annual return x year's purchase
Option B:	sinking fund
Option C:	depreciation
Option D:	annuity
Q24.	The value of property recorded in the register of municipality
Option A:	salvage value
Option B:	market value
Option C:	assessed value
Option D:	sinking fund
Q25.	An amount worked out adding the cost of production
Option A:	Cost
Option B:	Rate
Option C:	Price
Option D:	Value

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<b>Question</b>	<b>Correct Option (Enter either 'A' or 'B' or 'C' or 'D')</b>
Q1.	B
Q2.	A
Q3.	C
Q4	D
Q5	C
Q6	C
Q7	B
Q8.	C
Q9.	C
Q10.	D
Q11.	B
Q12.	C
Q13.	B
Q14.	C
Q15.	A

Q16.	D
Q17.	A
Q18.	B
Q19.	C
Q20.	A
Q21.	B
Q22.	B
Q23.	B
Q24.	C
Q25.	C