# University of Mumbai 

Program: Civil Engineering
Curriculum Scheme: Rev2016
Examination: BE Semester: VII
Course Code: CE-C701 and Course Name: Quantity Surveying Estimation \& Valuation
Time: 2 hour 30 minutes
Max. Marks: 80

| Q1. | Choose the correct option for following questions. All the Questions are compulsory and carry equal marks |
| :---: | :---: |
| 1. | A valuer shall act with objectivity in his professional dealings by ensuring that his decisions are made |
| OptionA: | without the presence of any bias |
| OptionB: | with coercion |
| OptionC: | with confidence |
| OptionD: | with undue influence of any party |
|  |  |
| 2. | Which is correct |
| OptionA: | proposal + acceptance = promise |
| OptionB: | promise + consideration $=$ agreement |
| OptionC: | agreement + enforceability= contract |
| OptionD: | agreement+ acceptance= proposal |
|  |  |
| 3. | Technical sanction is initiated after |
| OptionA: | Technical approval |
| OptionB: | Administrative approval |
| OptionC: | Budget approval |
| OptionD: | PWD approval |
|  |  |
| 4. | Which of the following piece of land would command higher rate of land value in the residential zone? |
| OptionA: | Having frontage to depth ratio as 2.0 |
| OptionB: | Having frontage to depth ratio as 6.0 |
| OptionC: | Having frontage to depth ratio as 0.2 |
| OptionD: | Having frontage to depth ratio as 0.6 |
|  |  |
| 5. | In long and short wall method of estimation, the length of long wall is the Centre-to-Centre distance between the walls and |
| OptionA: | Breadth of the wall |
| OptionB: | Half breadth of wall on each side |
| OptionC: | One fourth breadth of wall on each side |
| OptionD: | Complete width of wall |
|  |  |
| 6. | The assumption on which the trapezoidal formula for volumes is based, is |
| Option A: | The end sections are non-parallel planes |


| Option B: | The mid area of the pyramid is 1.5 times the average area of the ends. |
| :---: | :--- |
| Option C: | The volume of the Prismoidal is over estimated and hence a Prismoidal correction <br> is Applied |
| Option D: | They are Parallel planes |
|  |  |
| 7. | Before accepting the tender, it is required to check by the process of |
| Option A: | Arbitration |
| Option B: | Scrutiny |
| Option C: | Acceptance of proposal |
| Option D: | Rejection of proposal |
| 8. | For 100 sq.m cement concrete (1:2:4) 4 cm thick floor, the quantity of cement <br> required <br> Is |
| Option A: | 0.9 cu.m |
| Option B: | 0.94 cu.m |
| Option C: | 0.99 cu.m |
| Option D: | 1.0 cu.m |
|  | Which one of the following is not a correct method of Alternate Dispute <br> Resolution? |
| 9. | Legislation |
| Option A: | Option B: |
| Optiation C: | Conciliation |
| Option D: | Negotiation |
|  | Amount of compensation payable to owner or department by contractor due to <br> delay in <br> construction is known as |
| 10. | Price variation |
| Option A: |  |
| Option B: | Liquidity damage |
| Option C: | Defect liability |
|  | Escalation amount |


| Q2. <br> (20 Marks ) | Solve any Four out of Six <br> Please delete the instruction shown in front of every sub question |
| :---: | :--- |
| A | Belting Method of valuation |
| B | CBRI method |
| C | Free hold and Lease hold property |
| D | Differentiate between Cost, Price and Value |
| E | Explain types of values. |
| F | Explain Tender Notice |



| $\begin{gathered} \text { Q4. } \\ \text { (20 Marks) } \end{gathered}$ |  |
| :---: | :---: |
| A | Attempt any Two 5 marks each |
| 1. | Explain Bar Bending Schedule. |
| 11. | Explain Detailed Estimate. |
| iii. | What are General Specifications? |
| B | Solve any One 10 marks each |
| 1. | Draft a tender notice for construction of a sky walk. Estimated cost of construction is Rs. 10 Cr . And time of construction is 6 months. |
| ii. | Work out the quantities from given plan $\&$ section <br> a) UCR Masonry in CM (1:5) for foundation <br> b) $1^{\text {st }}$ class Brick Masonry in CM (1:4) in superstructure <br> c) RCC quantity for slab in M25 grade of concrete <br> d) Net quantity of 12 mm thick internal plaster in $\mathrm{CM}(1: 4)$ <br> All dimensions are in meters. a) Chajja thickness-80mm b) Chajja projection-50mm |

