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Roll No.

170755/030755/756

**5th Sem / Branch : Civil Engineering
Sub. : Quantity Surveying**

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory
(10x1=10)

Q.1 The Procedure of finding out the value or fair price of a property depends upon the life of property is (CO1)
a) Estimate b) Costing
c) Valuation d) All of the above

Q.2 The Estimate which when actual estimate is likely to exceed more than detailed estimate are termed as Annual Repair estimate. (CO-2)
a) Supplementary Estimate
b) Revised Estimate
c) None of the above

Q.3 Estimate expected to be least accurate is (CO-2)
a) Plinth area estimate
b) Detailed estimate
c) Supplementary estimate
d) Revised Estimate

Q.4 What is the Unit of Measurement (in MKS) of D.P.C.?
a) cm b) m (CO-3)
c) Cubic-cm d) sq m

Q.5 What is the Unit of Measurement (in MKS) of Brick edging?
a) m b) sq m
c) cu m d) None of the above

Q.6 The determination of rate per unit of particular item of work is (CO-6)

- a) Analysis of Rates b) Analysis of Items
- c) Analysis of Work d) All of the above

Q.7 A person who brings the ideas of owners expressed in the form of drawings, into reality is (CO-8)

- a) Engineer b) Contractor
- c) Supervisor d) Architect

Q.8 Which of the following is not a type of tender? (CO-8)

- a) Item rate Tender b) Lump-sum Tender
- c) Cost Plus Tender d) Bill Plus Tender

Q.9 The loss in the value of the property due to its wear and tear, structural deterioration is (CO-9)

- a) Depreciation b) Year purchase
- c) Salvage value d) Sinking fund

Q.10 The amount shown in the account book after allowing for necessary depreciation is (CO-9)

- a) Depreciation b) Market value
- c) Scrap value d) Book value

SECTION-B

Note: Objective type questions. All questions are compulsory.
(10x1=10)

Q.11 List three duties of quantity surveyor. (CO-1)

Q.12 Define Plinth Areas. (CO-2)

Q.13 Define Contingencies. (CO-2)

Q.14 1% of the total cost of materials and labour considered as _____. (CO-6)

Q.15 The capacity of doing work by skilled labour per day is known as _____. (CO-6)

Q.16 Define Overhead Costs. (CO-6)

Q.17 Define Security Deposit. (CO-8)

Q.18 Define Item rate Contract. (CO-8)

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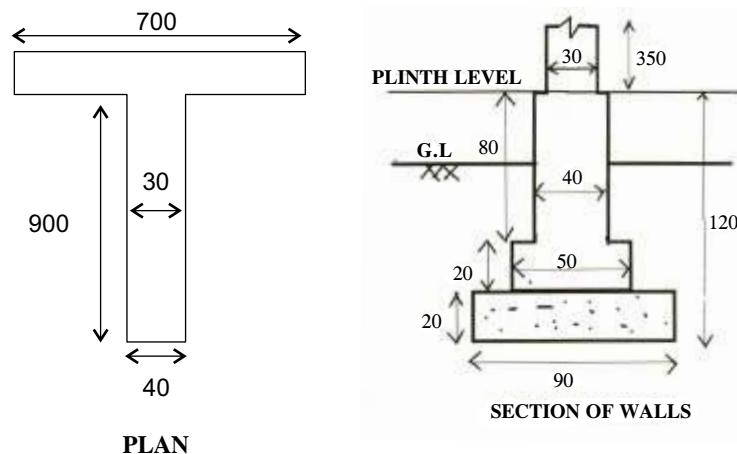
- Q.19 _____ is an offer in writing for execution of certain specified work subject to certain terms and conditions such as rates, time, limit etc. (CO-8)
- Q.20 The replacement cost method is used to evaluate the _____. (CO-9)
- SECTION-C**
- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 List any five rules of measurements. (CO-3)
- Q.22 Write down any five general specifications of a first-class building. (CO-4)
- Q.23 What do you mean by specifications? (CO-4)
- Q.24 Write short note on detailed estimate. (CO-4)
- Q.25 Explain Mid-Sectional Area method of earth work calculation. (CO-4)
- Q.26 Calculate the area of the side slopes of portion of a bank for a length of 600 m and the height of banks at the two ends being 3.50 m and 4 m and the ratio of the side slope 2:1. (CO-4)
- Q.27 Calculate the quantity of materials required for
 1. Cement concrete (1:3:6) - 70 cu-m
 2. 8 mm thick cement plaster - 25 sq-m (CO-5)
- Q.28 Calculate the quantity of materials required for
 1. 10 mm thick D.P.C. (1:2:4) - 50 m
 2. Brick masonry of 1:6 mortar - 20 cu-m (CO-5)
- Q.29 Write down the factors affecting rate analysis. (CO-6)
- Q.30 Write down the method of preparing analysis of rates. (CO-6)
- Q.31 Write any 5 guidelines while entering into contracts. (CO-7)
- Q.32 Explain various type of contracts. (CO-7)
- Q.33 Prepare the tender documents for RCC work. (CO-9)

- Q.34 Differentiate between Scrap and Salvage value of a building. (CO-9)
- Q.35 Explain Year Purchase. (CO-9)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain Centre line and long wall short wall method of estimation. (CO-4)
- Q.37 Calculate the quantity of the following items of work from the figures given below (CO-4)
- Earthwork in excavation in foundation
 - Cement concrete (1:2:4) in foundation
 - 1st Class Brickwork (1:6) in foundation and plinth
 - 1st Class Brickwork in Superstructure
 - Cement Plaster 8mm thick (1:4)



- Q.38 Prepare a tender documents for the construction of a 2 BHK house. (CO-8)