

- Q.32 Write down types of specification. (CO8)  
 Q.33 What do you understand by specifications? What is the purpose of it? (CO8)  
 Q.34 Explain the different method of valuation. (CO9)  
 Q.35 What do you understand by valuation of property? What purpose it serves? (CO9)

### SECTION-D

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

- Q.36 Fig No..1 (Given below) represent plan and section of a trench which is 100 cm wide and 90 cm deep. Calculate the quantity of earth work in excavation by using:(CO4)  
 a) Long wall and short wall method  
 b) Centre line method .

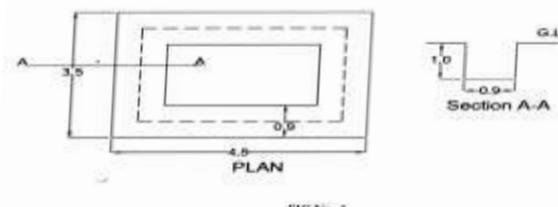


FIG No. 1

- Q.37 Prepare analysis of rates for first class bricks laid in cement mortar 1:7 in super structure up to 4 m height (CO6)  
 Q.38 Prepare a detailed estimate of a wall shown in Fig No.2 (Given below) (All details in m) (CO4)

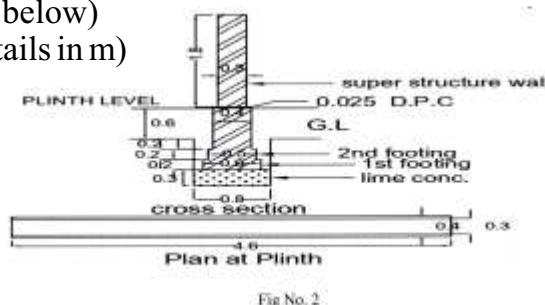


Fig No. 2

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### Civil Subject:- Quantity Surveying

Time : 3Hrs.

M.M. : 100

### SECTION-A

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

- Q.1 Annual repair Estimate is also known as (CO1)  
 a) Revised Estimate b) Maintenance Estimate  
 c) Supplementary Estimate d) All of these  
 Q.2 Due to change in price level, a revised estimate is prepared if the sanctioned estimate exceeds (CO1)  
 a) 2% b) 4%  
 c) 2.5% d) 5%  
 Q.3 The measurement is not made in square metre in case of (CO3)  
 a) D.P.C  
 b) Hollow concrete block wall  
 c) R.C. Chajja d) Concrete Jaffries  
 Q.4 The determination of actual cost of the work before the execution is (CO2)  
 a) Estimate b) Valuation  
 c) Costing d) None of these  
 Q.5 What percentage of the estimate cost is added in an estimate as a provision for Work Charge Establishment? (Co2)  
 a) 1.5% to 2% b) 4% to 6%  
 c) 2% to 4% d) 6% to 8%  
 Q.6 The capacity of doing work by skilled labour in the form of quantity of work per day is known as (CO5)  
 a) Task work b) Both (a) and (b)

- Q.7 c) Out-turn work      d) None of these  
 The contract in which the contractor execute the work at the fixed rate dependent on the quantities and kind of work executed or material supplied. (CO8)
- a) Lump-Sum and schedule contract  
 b) Cost plus or percentage contract  
 c) Item rate contract  
 d) None of these
- Q.8 A person who brings the ideas of owners expressed in the form of drawing by the architect, into reality is (CO8)  
 a) Architecture      b) Contractor  
 c) Engineer      d) All of these
- Q.9 The procedure of determining the present value of an existing property is known as (CO9)  
 a) Estimate      b) Valuation  
 c) Costing      d) None of these
- Q.10 Amount shown in the account book after allowing for necessary depreciation is (CO9)  
 a) Book value      b) Market value  
 c) Scrap value      d) None of these

### SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 \_\_\_\_\_ method of estimate used to find out an approximate cost in a short time. (Co1)
- Q.12 Define Valuation. (CO2)
- Q.13 Define Contingencies. (CO2)
- Q.14 Unit of measurement of distempering is \_\_\_\_\_. (CO3)
- Q.15 Write down the unit of earthwork and half brick work. (CO4)
- Q.16 Define long wall short wall method of estimation. (Co5)
- Q.17 Define Overhead cost. (CO6)
- Q.18 Enlist various types of contract. (CO8)
- Q.19 Define cost plus or percentage contracts. (CO8)

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- Q.20 Define Salvage value. (CO9)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Write down general specifications of a First class building. (CO3)
- Q.22 Find the area of temporary land required for one kilometer length of a road from the following data: The formation width = 10 metre, Average height of bank + 1.50 metre  
 Side slope = 2 horizontal : 1 vertical, Depth of borrow pit = 30 metre. (CO4)
- Q.23 Calculate the area of side slopes of portion of a bank for a length of 200 metre the heights of banks at the two ends being 1.00 m and 2.30 m and the ratio of the side slope 2:1 (CO4)
- Q.24 Calculate steel quantity for the following. (CO4)
- | Member | Overall size       | Details of reinforcement  |
|--------|--------------------|---|
| Slab   | 180 x 280 x 12 cms | (a) Main bars 12 mm $\phi$ , at 15 cm C.C alternately bent up.<br>(b) Distribution bars 6 mm $\phi$ at 20 cm C.C. |
- Q.25 Calculate the quantity for c.c floor ratio 1:3:6 for 1200 sq m. (CO5)
- Q.26 Calculate the quantity for 8 mm thick, 1:4 plaster over a surface of 4 m x 30 m. (CO5)
- Q.27 Calculate the quantities of material required for the following: (CO5)  
 a) Brick work in cement mortar 1:6 - 150 m<sup>3</sup>  
 b) 25 mm thick D.P.C of ratio 1:1.5:3 - 50 sq.m
- Q.28 Write down the method of preparing analysis of rates. (CO6)
- Q.29 Write the guideline while entering into contract. (CO7)
- Q.30 Explain Earnest money and security deposit. (CO7)
- Q.31 Prepare the tender documents for RCC work. (CO8)

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