6th Sem /Civil, Constr., Mgmt, Civil Engg
(Spl Highway Engg.)
Subject:- Quantity Surveying

Time : 3Hrs.   M.M. : 100

SECTION-A

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

Q.1 _____ is prepared on the basis of plinth area of building, the rate being deducted from the cost of similar building having similar specification, heights and construction in the locality.
a) Cube Rate Estimate   b) Plinth area estimate
c) Maintenance Estimate   d) Supplementary estimate

Q.2 The brickwork is measured sq meter incase of
a) Honey comb brick work
b) Brick flat soling
c) Half brick walls
d) All of above

Q.3 In long wall and short wall method of estimate, the length of long wall is the centre to centre distance between the walls and
a) Breadth of the wall
b) Half breadth of wall on each
c) One forth breadth of wall on each side
d) None of above

Q.4 While preparing a detailed estimate
a) Dimension should be measured correct to 0.01m
b) Area should be measured correct of 0.01 sqm
c) Volume should be measured correct of 0.01 cum.
d) All of above

Q.5 The unit of measurement for earth work is in
a) sq . metre   b) Numbers
c) cubic meter   d) Metre

Q.6 The unit of measurement of Door and window is in
a) sq . metre   b) Numbers
c) Cubic metre   d) Metre

Q.7 In analysis of rates contractor profit is taken as
a) 5 %   b) 15 %
c) 10 %   d) 1 %

Q.8 Which one of the following is the value of dismantled materials of a built up property at the end of its utility period?
a) Scrap value   b) Municipal value
c) Salvage value   d) Market value

Q.9 While submitting a tender, the contractor is required to deposit some amount with the department as a guarantee of a tender is known as
a) Bank gaurantee   b) Earnest money
c) Security money   d) None of these

Q.10 At which angle the bore are bent to the longitudinal axis of the beam ?
a) 45 degree
b) 75 degree
c) 50 degree
d) 90 degree

SECTION-B

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

Q.11 When found that actual estimate is likely to exceed more then detailed estimate are known as _____.

Q.12 _____ to _____% of estimate cost is added in an estimate for contingencies.

Q.13 Define water charge.

Q.14 Define analysis of rate.

Q.15 Define of measurement for stone work is _____.

Q.16 Define limited tender.

Q.17 Define CSR

Q.18 Brick wall are measured in sq. m if the thickness of wall is _____.

Q.19 Scrap value is generally _____% os total cost of construction.

Q.20 The total cost of construction of a project including land is called_____.

SECTION-C

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

Q.21 Write down the importance of estimating in field of civil Engg.

Q.22 Write short note on contingencies and work charged establishment.

Q.23 What are the general rules of measurement?

Q.24 Briefly explain the center - line method of building estimate.

Q.25 What is slab culvert ? Explain.

Q.26 What is overhead costs and its types ?

Q.27 What is the importance of rate of analysis ?

Q.28 Find out dry materials required for $1m^3$ ashler stone masonry in cement mortar 1:5

Q.29 Find out dry material required for $10m^3$ lime concrete.

Q.30 Explain the qualities of a good contractor.

Q.31 What are the disadvantages of lump-sum contracts.

Q.32 Prepare tender document for R.C,C works

Q.33 What do you understand by specifications ? What is the purpose of it ?

Q.34 What is your's purchase ? Explain.

Q.35 Explain the ' sinking fund' in detail

SECTION-D

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

Q.36 Prepare detail analysis of rate for 10m³ Cement concrete 1:5:10 in foundation or floor with brick ballast 40mm thick gauge assuming the suitable rate of required materials and manpower.

Q.37 In a side long ground in cutting, a hill road is to be constructed. calculate the quality of earth work for a length of 200 m.
i) The depth of cutting at Rd-o is 60 cm at the centre and cross slope of ground is 8:1.
(ii) the depth of cutting at Rd.100 is 1.2m at the centre and cross slope of ground is 10:1
(iii) The depth of cutting at Rd. 200 is 1.8m at the centre and cross slope of ground is 12:1.
Formation width is 8m and side slope in cutting is 2:1

Q.38 work out the quantities of following item of work from given figure of a room 4.80m x 3.60m.
(I) Excavation for foundation.
(ii) lime concrete in foundation.
(iii) Brick masonry in foundation and Plinth.
(iv) Brick masonry in super structure.