

B.CONSTRUCTION ENGG.PART I 2ND SEMESTER EXAMINATION, 2006

SUBJECT : ESTIMATING AND PRICING

TIME : Three Hours

Full Marks 100
(50 marks for each part)

Use a separate Answer-Script for each part.

PART –I

1. Prepare a detailed estimate for the construction of a new State High way as per MOST specifications for a stretch of 1km length in the form of an estimation table.

The formation width of road is 40.2 m, average height of bank is 1.5 m, side slope is 2:1, slope of the earthen berm or patric is 1 in 36. The metalled width is 3.9m per lane. No. of lanes = 8 . Lanes are separated by a divider of 1 m width between four lanes of metal. Surface to be finished with two coats of painting.

Draw a neat pencil sketch of the road construction. Size and gauge of stone ballot at top & inter coat and soling coat would be as per the said specification. Assume any other data suitably.

12+38 = 50

Part-II
Answer all

1. Discuss in brief the specifications for the purpose of construction (any three) 6×3=18
- (a) D.P.C at plinth level with water proofing agent.
 - (b) Construction of brick wall from ground level to plinth level.
 - (c) Installation of sanitary fittings at toilet W-C
 - (d) Lime water proofing work at the roof.
2. Make an estimation for the following works in the form of BOQ table for the building plan as attached (**any five**) 6×5=30
- (a) P.C.C work in all foundations
 - (b) First class brick work from lintel level to roof level
 - (c) Concrete work in roof.
 - (d) Quantity of steel work for concreting with percentage of steel as 0.7% concrete volume.
 - (e) Foundation work upto G.L
 - (f) 75 mm lime concrete (3:1) terracing on roof top.

Neatness-2

