

END TERM EXAMINATION

SIXTH SEMESTER [B.TECH] MAY-JUNE 2018

Paper Code: ETCE-306 Subject: Quantity Surveying and Cost Estimation
(Batch 2013 Onwards)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt all questions as directed. Internal choice is indicated.
Assume any missing data suitably, if not given.

- Q1 Attempt **any five parts** from the following:- (5x5=25)
(a) Discuss the importance of quantity survey and valuation techniques in civil construction projects.
(b) Describe various factors that influence the accuracy of estimates of building construction project.
(c) What are the main components of culverts?
(d) Explain the detailed specifications for any five items of work?
(e) Explain the various methods for calculating depreciation.
(f) What are the important factors influencing the value of building?
- Q2 Estimate the quantities of brickwork and plastering required in a wall 4m long, 3m high and 30 cm thick. Calculate also the cost if the rate of brickwork is Rs. 32.00 per cu.m and of plastering is Rs. 8.50 per sq.m. (12.5)
- OR**
- Q3 Write detailed specification for:
(a) U:C:R masonry in C.M.(1:6)
(b) (1:4:8)P:C:C work for foundation
- Q4 Give the detailed specification for (12.5)
(a) Laterite wall 25cm thick in cement mortar 1:3 for load bearing wall
(b) RCC roof slab for residence
- OR**
- Q5 Write detailed specification for
(a) 3-coat O.B.D. (oil bound distemper) work on to new plastered surface
foundation trench excavation work.
- Q6 Write sample specifications for a 'white wash work' or a 'painting work' of an office building. (12.5)
- OR**
- Q7 Write sample specifications about Laying and Consolidation of stone metal and Kankar material.
- Q8 What do you mean by valuation? What is its necessity? List various methods of valuation and describe any three of them giving examples.(12.5)
- OR**
- Q9 A building is situated on ambala -Kalka road Rs. 38000/- considered its scrap value as 10% of the cost and life as 80 years. Find out depreciated value if the life of the building is 20 year.
