Code: 9A01605

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2016

ESTIMATION, COSTING & VALUATION

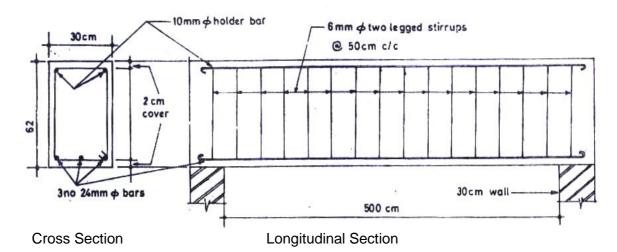
(Civil Engineering)

Time: 3 hours Max. Marks: 70

Answer any FIVE questions All questions carry equal marks

Standard scheduled of rates is permitted in the examination hall

- Define Estimate. List out the different types of Estimates .What are the factors to be considered 1 during preparation of a detailed estimate.
- Explain the different methods for estimating building works. 2
- 3 Estimate the quantity of earth work for an embankment, 120 m long, 8 m wide at crest and whose side slopes is 2 to 1. The central height from 0 to at every 30 m intervals are 0.60 m, 1.2 m, 1.6 m, 2.0 m and 1.3 m. Calculate the earth work using mid section formula and trapezoidal formula.
- Give the rate analysis for the following:
 - (a) Earth work excavation.
 - Lime concrete. (b)
 - (c) Cement concrete.
- The following figure shows the longitudinal section & cross-section of a simple beam of clear 5 span 5.0 m. The thickness of supporting wall is 300 mm. Workout the total quantity of the reinforcement in the beam. Also prepare the bar bending schedule.



- What are the criteria that ensure validity of a contract? (a)
 - Discuss in brief about different contract documents. (b)
- (a) Define valuation and explain the purpose of valuation.
 - Explain capitalized value with a simple example
- Write the detailed specifications for the following items: 8
 - Specification for a first class building.
 - (b) Plastering with cement mortar 1:3.