

B.Tech III Year I Semester (R15) Supplementary Examinations June 2018

ESTIMATION, COSTING & VALUATION

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What are the main items of work in estimating a building?
 - Write in short about the considerations of detailed estimate of structures.
 - Define lead and lift.
 - Discuss briefly various factors to be considered while preparing road estimates.
 - Classify different types of contract drawings.
 - Explain rate analysis and sundries.
 - What is a contract? List the different types of contracts.
 - Discuss briefly various factors to be considered while preparing road estimates.
 - Explain damp proof course.
 - What are the various methods used for computing the earthworks.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Enunciate:
- Earthwork excavation
 - Soling
 - Concrete in foundation
 - Masonry
 - Damp proof course

OR

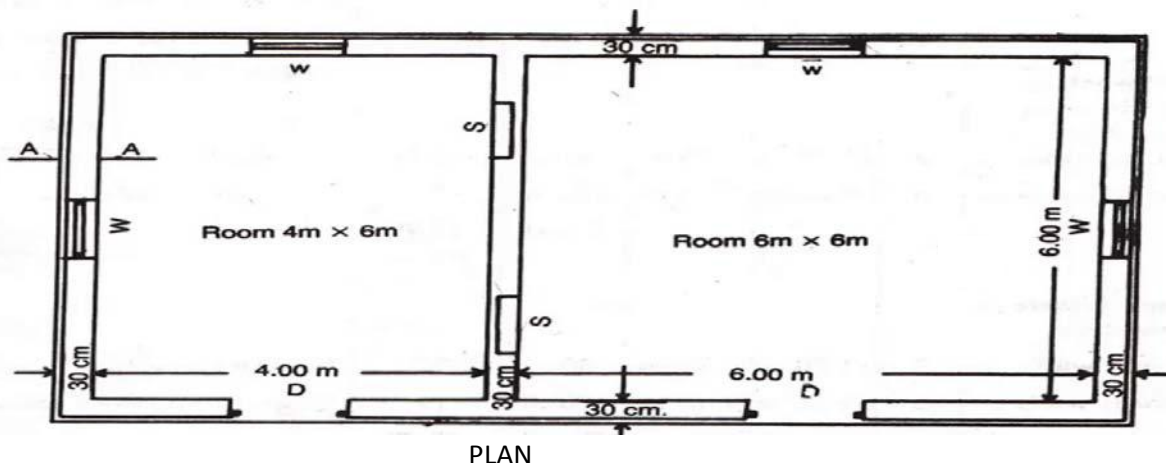
- 3 Describe the following terms briefly:
- Formwork
 - pointing
 - Varnishing

UNIT – II

- 4
- Explain long wall and short wall method.
 - Explain Centre line method in detail.

OR

- 5 Calculate the quantities of the following items for the building shown in figure below using long wall and short wall method: (i) Earth work in excavation. (ii) Brick work in foundation and plinth. (iii) PCC (1: 5: 10) below the foundation. (iv) Damp proof course. (v) Brick masonry in CM (1:6) for super structure.

TWO ROOMED BUILDING


Contd. in page 2

