

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Oct 2017

M.Tech 1st Semester

COURSE CODE:10M11CE112

MAX. MARKS:15

COURSE NAME: Estimation and Costing

COURSE CREDITS: 4

MAX. TIME: 1 Hr

Note: All questions are compulsory. Carrying of mobile phone or sharing of materials during examinations will be treated as case of unfair means.

Q 1. Estimate the quantities of the following items in two roomed building from the given plan and section using **Central Line Method** (see Fig. 1 and Fig 2 respectively) [3*5=15 Marks]

- Earthwork in excavation of foundation
- Lime concrete in foundation
- 1st class brickwork in cement mortar 1 : 6 in foundation and plinth
- 2.5 cm c.c. damp proof course
- 1st class brick work in lime mortar in superstructure.

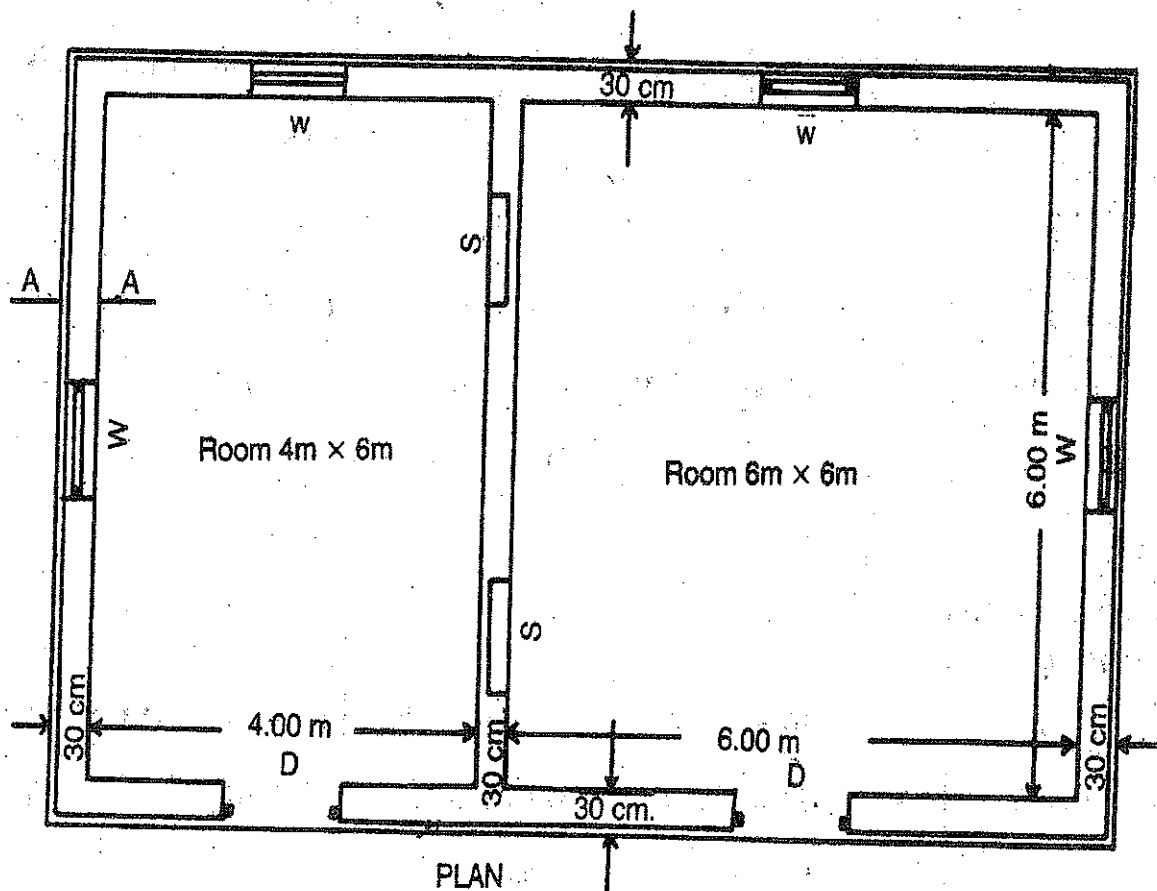
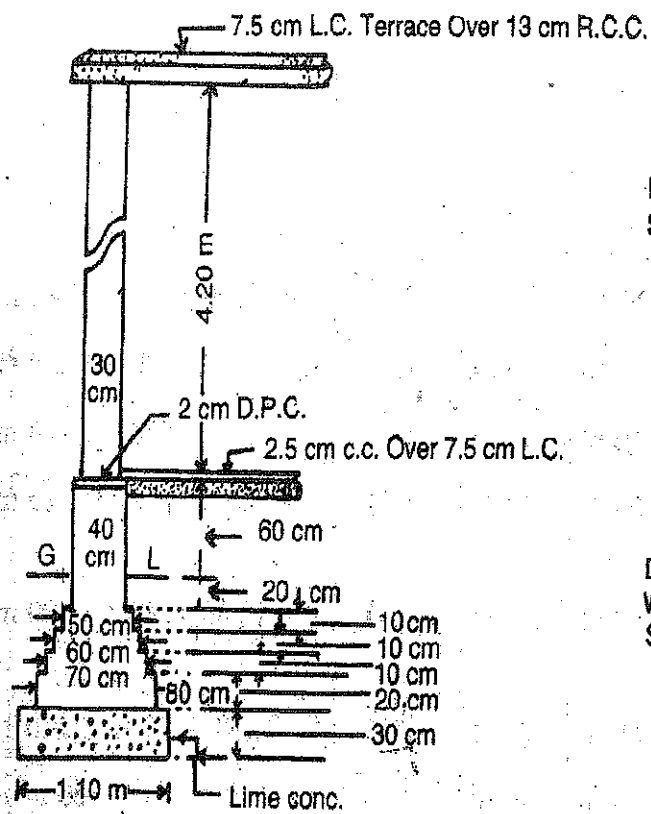


Figure. 1 – Plan of the room

CE-14, MT



All Walls are of same section
 Lintels over Doors, Windows and
 Shelves are 15 cm thick R.B.

Doors D-1.20 m × 2.10 m
 Windows W-1.00 × 1.50 m
 Shelves S-1.00 m × 1.50 m

Figure 2. Cross-sectional view of the building.

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