

SUBJECT CODE:- 120
FACULTY OF ENGINEERING AND TECHNOLOGY
S.E.(Civil) Examination Nov/Dec 2015
Building Construction & Drawing
(Revised)

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

- N.B
- i) Q. No. 1 & Q. No. 6 are compulsory.
 - ii) Solve any two questions from remaining section A and one Question from remaining from section B.
 - iii) Use separate drawing sheet for solving Q. No. 6 of section B.

Section A

- Q.1 Attempt any five of the following 10
- i. What is waist slab.
 - ii. What are the advantages of cavity wall
 - iii. Define reverberation of sound
 - iv. When underpinning is done
 - v. What is scaffolding
 - vi. What is the purpose of Landing
 - vii. Enlist the requirement of good acoustical material.
- Q.2 a) Write a detailed note on energy efficient buildings 08
b) List out the principle of planning & explain any two in detail. 07
- Q.3 a) Write at length how fire proof construction is executed? 08
b) Explain various methods of damp proofing with the help of neat sketches
- Q.4 a) Explain the building bye laws to be implemented while construction of residential building in practice. 08
b) Enlist the causes of failure of foundation. Explain any two in detail. 07
- Q.5 a) Write a detailed note on under pinning. 08
b) Write at length on termite proofing 07

Section - B

- Q.6 Draw working drawing plan of a residential bungalow for a five membered family in New Aurangabad.
(a) Plot size 12 m x 18 m
(b) scale 1:50
(c) plinth height : 0.6m
(d) Requirement Ent. , verandah, Living hall Bed Room: master bed, separate W.C. & Bath room: kitchen room : dining room : store room : Doglegged stair come. Draw
(a) working drawing plan 06
(b) elevation 06
(c) section through W.C. or Bath & stair 06
(d) schedule of opening. 03
(e) Construction notes. 04
- Q.7 a) What are the different types of stairs? With the help of neat sketches give the suitability of each type 08
b) Explain of length on shoring 07
- Q.8 a) Write an explanatory note on importance of safety in construction 08
b) Write in brief on wall cladding, wall papering & glazing works. 07