

SUBJECT CODE NO:- P-386
FACULTY OF ENGINEERING AND TECHNOLOGY
S.E.(Civil) Examination MAY/JUNE-2016
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 from section A and Q.No.5 from section B are compulsory.

ii) Attempt **any two** questions from the remaining questions of section A one question from remaining question 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
- a) What are the different types of stairs?
 - b) Enlist the requirements of good acoustical material.
 - c) Define reverberation of sound.
 - d) When double scaffolding is used?
 - e) Define flight in connection with stairs.
 - f) What are the advantages of cavity wall?
 - g) When under pinning is used.
- Q.2 a) What do you understand by energy efficient building? Explain. 08
- b) What are the various methods of damp proofing? Explain any two with neat sketch. 07
- Q.3 a) Enlist the principle of planning and explain any two in details. 08
- b) Discuss the points to be observed during planning & construction of building in view of fire proof construction. 07
- Q.4 a) List out causes of failure of foundation. Explain any two in detail. 08
- b) Explain importance of building bye laws to be followed while planning a residential building. 07

Section B

- Q.5 a) Write a detailed note on various types of methods of anti-termite treatment. 05
- b) With the help of neat sketch, explain underpinning. 05
- Q.6 Draw a plan of residential bungalow for a family in new Aurangabad town ship 15
- i) Plot size, 12m x 18m
 - ii) scale 1:50
 - iii) plinth height 0.9m
 - iv) Required components: Ent. Verandah, living hall, bedroom, master bed, separate W.C, bath, kitchen room, dining room, store room & stair case doglegged. Draw.
- a) Working drawing plan
 - b) Elevation
 - c) Section through W.C/ bath & staircase
 - d) Schedule of opening
 - e) Construction notes
- Q.7 a) With the help of neat sketches discuss the various types of stairs and their suitability. 08
- b) Write a detailed note on raking shores. 07
- Q.8 a) Write an explanatory note on importance of safety in construction. 08
- b) Write in detail on wall cladding. 07