

**SUBJECT CODE:- 318**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.E.(CIVIL) Examination Nov/Dec 2015**  
**Building Planning & Design**  
**(Revised)**

[Time: Three Hours]

[Max. Marks: 80]

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

- N.B
- i) Use regular answer book for section A & B
  - ii) U/se drawing sheet for Section B
  - iii) Q. No. 1 & 6 are compulsory.
  - iv) Write answer of any two question from section A from the remaining.
  - v) write answer of any one question from section B from the remaining
  - vi) Draw neat sketches wherever required
  - vii) Figures to the right indicate full marks.

**Section A**

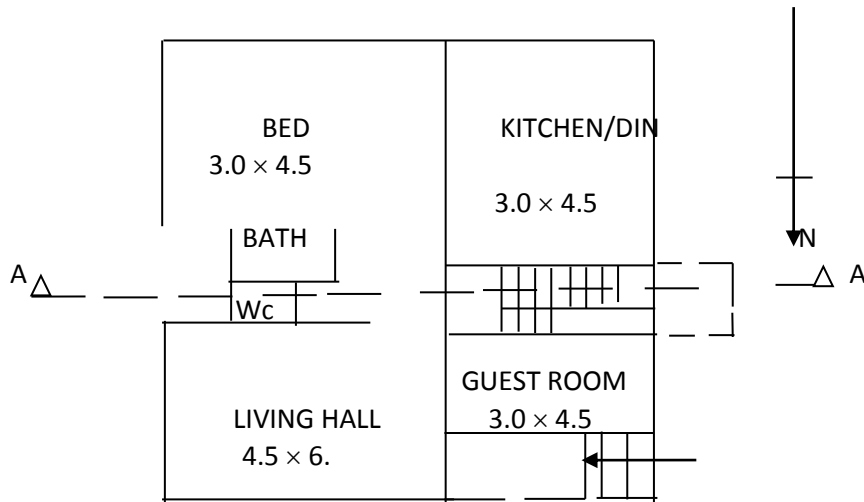
- |     |   |                |
|-----|---|----------------|
| Q.1 | Answer any five question from the following   | 10             |
|     | <ol style="list-style-type: none"> <li>i) Define safe bearing capacity</li> <li>ii) What do you understand by coping</li> <li>iii) Define F. A. R.</li> <li>iv) What is self-back</li> <li>v) Enlist the types of loads acting on foundation</li> <li>vi) Define waist slab.</li> <li>Vii) Define plinth level</li> <li>Viii) Define threshold</li> </ol> |                |
| Q.2 | <ol style="list-style-type: none"> <li>a) Write an explanatory note on ‘mass composition’</li> <li>b) Write at length on contrast</li> </ol>  | 08<br>07       |
| Q.3 | <ol style="list-style-type: none"> <li>a) Describe in detail ‘prospect’</li> <li>b) Explain Economy</li> <li>c) What is grouping</li> </ol>   | 05<br>05<br>05 |
| Q.4 | <ol style="list-style-type: none"> <li>A) Explain how principles of planning can be utilized while planning a bungalow</li> <li>b) Explain the following (any two)</li> </ol> <ol style="list-style-type: none"> <li>i) Sectional elevation</li> <li>ii) Working Drawing</li> <li>iii) Building byelaws</li> </ol>  | 07<br>08       |
| Q.5 | By taking in to consideration required data & the standard norm. list rout the requirement of a primary school building for 300 No. of students & also draw the line plan of school building  | 15             |

**Section-B**

- |     |   |                            |
|-----|---|----------------------------|
| Q.6 | The fig. shown below shows a typical plan of a residential bungalow plan. Draw to suitable scale  |                            |
|     | <ol style="list-style-type: none"> <li>i) Working draw plain</li> <li>ii) Elevation</li> <li>iii) Sectional elevation</li> <li>iv) Locate position of columns</li> <li>v) Write construction notes</li> </ol> | 06<br>06<br>06<br>02<br>03 |

vi) Write schedule of opening

02



(Note :- Plan drawn not to scale ALL DIMENSIONS IN METERS)

- |     |   |    |
|-----|---|----|
| Q.7 | a) What is perspective drawing? What is the purpose of perspective drawing in practical life. | 07 |
|     | b) Define landscaping? Importance of landscaping for a school building.                       | 08 |
| Q.8 | a) Write detailed note on two point perspective   | 07 |
|     | b) Write at length on landscaping   | 08 |