

SUBJECT CODE NO:- P-84
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CIVIL) Examination MAY/JUNE-2016
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) Use 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.

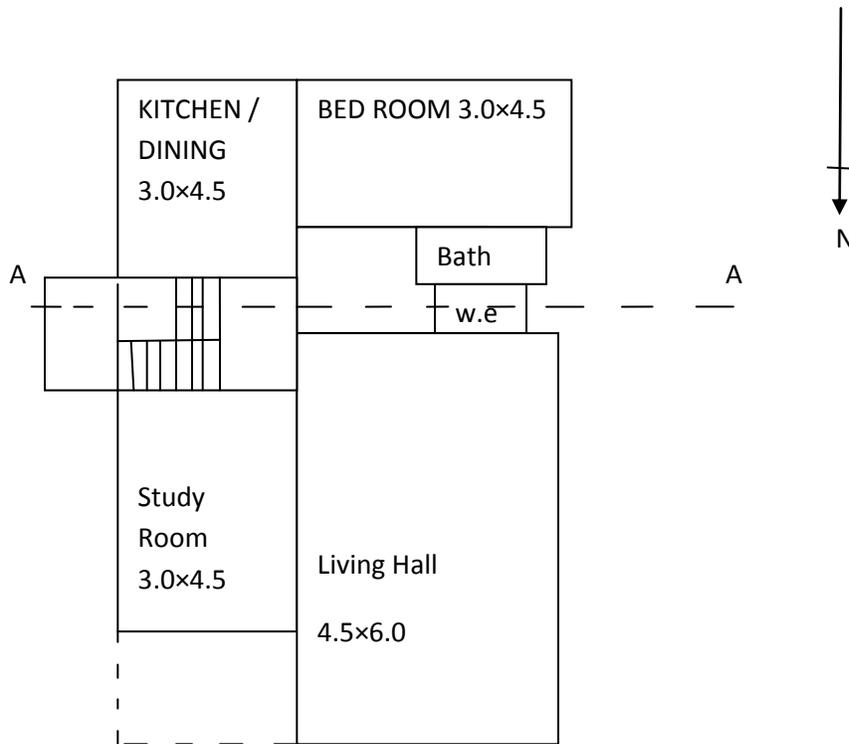
SECTION: A

- Q.1 Answer any five questions from the following. 10
- i) Define F.A.R.
 - ii) What is threshold?
 - iii) Define ultimate bearing capacity.
 - iv) What is building line?
 - v) What are thumb rules for density rise & Tread?
 - vi) What is coping?
 - vii) Loads acting on foundation.
- Q.2
- a) Write an explanatory note on ‘contrast’. 08
 - b) Explain at length on ‘Unity’. 07
- Q.3
- a) Importance of ‘Grouping’. 05
 - b) What is ‘Prospect’? 05
 - c) Explain Roominess. 05
- Q.4
- a) Explain utilization of principles of planning in planning of a residential bungalow. 07
 - b) Explain the following (any four) 08
 - i) Building bylaws.
 - ii) Submission drawing
 - iii) Sectional elevation

- Q.5 By assuming suitable data & standard norm list out the requirements and draw the line plan of junior college of (Science, Art & Commerce), building for total of 360 No of students. 15

SECTION:B

- Q.6 The figure shown below shows a typical plan of a bungalow. Draw to a suitable scale. 06
- i) Working drawing plan 06
 - ii) Elevation 06
 - iii) Sectional Elevation 02
 - iv) Locate position of column 03
 - v) Write construction roles 02
 - vi) Schedule of opening. 03



Note: -PLAN DRAWN NOT TO SCALE ALL DIMENTIONS ARE IN METERS.

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| Q.7 | a) What is land scaping? Importance of land scaping for a public building. | 07 |
| | b) What do you understand by perspective drawing? What is the importance of perspective drawing? | 08 |
| Q.8 | a) Explain in detail two point perspectives. | 07 |
| | b) Write a detailed note on land scaping. | 08 |