

B.E. Civil Engineering (Model Curriculum) Semester - V
PEC-CE501 - Construction Project Planning and System

P. Pages : 2

Time : Three Hours



GUG/S/23/13721

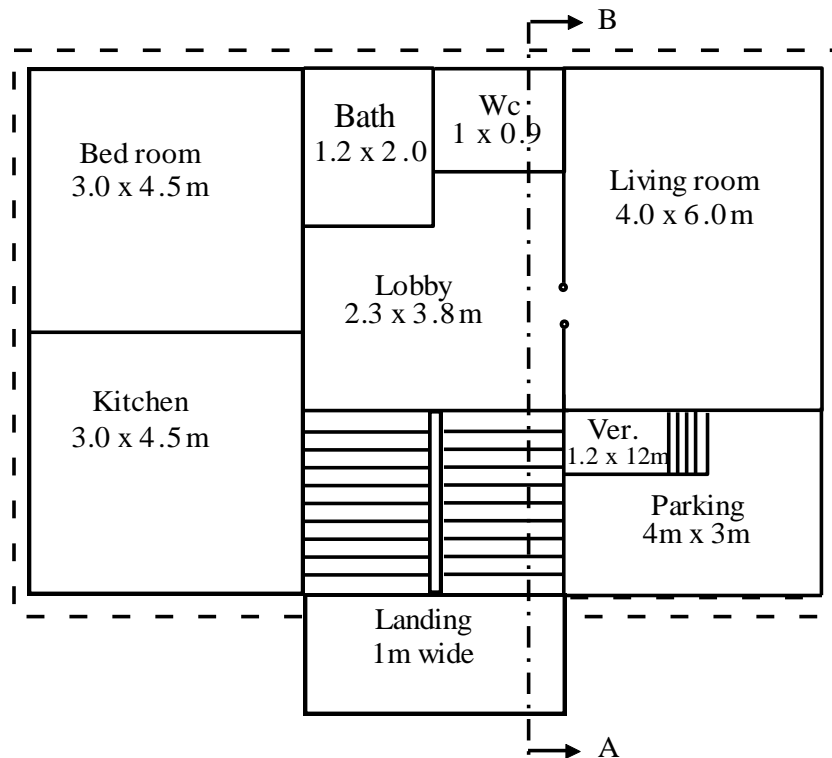
Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Que. No. 3 is compulsory.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.
 5. Illustrate your answers wherever necessary with the help of neat sketches.
 6. Retain all construction lines

1. a) Write about the orientation and CBRI suggestion for orientation. 8
b) State and explain principles of planning. 8

OR

2. a) What do you meant by building by laws? Write about the scope and objections of building by laws. 8
b) Write about the factors affecting principles of planning. 8
3. Given below line plan of residential building. Draw to a suitable scale the following views:- 16
 - a) Developed plan
 - b) Section along AB
 - c) Front elevation



OR

4. a) Draw a line plan of 1:100 for a proposed Hostel building on a given graph sheets? 8
b) Differentiate between load bearing and framed structure. 8
5. a) Write down the various phases of project management. 8
b) State the roles and responsibilities of clients and contractor in a particular project. 8

OR

6. a) How to make a good pre construction plan for the construction process? 8
b) Write a note on work break down structure. Why it is used in project management? 8
7. a) State and explain the functions of management. 8
b) How Automation and Robotics affect construction Industry? 8

OR

8. a) State the importance of planning and organizing in management. 8
b) Give the various process involved in organizing. 8
9. a) Write a note on Health, safety and environment as project parameters. 8
b) State and explain about quality assurance in project management. 8

OR

10. a) What is quality control in project management? 8
b) State and explain three types of quality assurance methods. 8
