


**NAVVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Engineering and Technology
Program/s: BTech Civil Engineering
Year: 1st **Semester:** 2nd Semester
Examination: End Examination
Examination year: May 2023

Course Code: CE 137 **Course Name:** Building Planning and Drawing
Date: 16/05/2023
Time: 14:00 pm to 16:00 pm

Total Marks: 40
Total Pages:

Instructions:

- Write each answer on a new page.
- Use of a calculator is permitted/
- * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs*	BTL#
Q.1	Draw the line sketch of school building to plan for 200 students. Decide the plot area of your choice. Show every unit with proper details. OR Draw the line sketch of hospital building to plan. Consider 50 bed hospital. Decide the plot area of your choice. Show every unit with proper details.	10	CO4	BT1, BT2, BT3,BT4
Q.2	Explain the following terms in brief with sketch 1. Carpet area 2. Floor area 3. Plinth area	6	CO4	BT1, BT2, BT3,BT4
Q.3	Write in detail the functional and planning aspects of industrial buildings. Discuss various units and it's requirements in detail. Mention standard size and area of each section and units.	7	CO4	BT1, BT2, BT3,BT4
Q.4.	Discuss the planning aspect of bus depot in brief. Draw rough sketch of plan of bus depot of your choice showing all the requirements. Show standard size and area of each section and units in rough sketch.	7	CO4	BT1, BT2, BT3,BT4
Q.5.	If you are required to plan the commercial building, what are the building bye-laws you will consider to plan the building? Explain.	6	CO4	BT1, BT2, BT3,BT4
Q.6	List the name of the various public building. Also list basic common parts of public buildings, it's function and area requirements.	4	CO4	BT1, BT2, BT3,BT4

*****End of Question Paper*****