

**19CEO302 – Bye Laws in Building
and Construction**

2 Marks

1. What is the importance of providing foundation? (UNIT I)
2. Differentiate substructure and superstructure. (UNIT I)
3. What are the factors influencing the site selection of a residential building? (UNIT I)
4. If your house is located in north direction where you will provide kitchen. (UNIT I)
5. What are the classifications of building based on fire resistance. (UNIT I)
6. If your house is located in south direction where you will provide kitchen. (UNIT I)
7. What is meant by external privacy? (Unit II)
8. Assess whether rectangular or square shape of building will be more spacious. Justify your answer. (Unit II)
9. What is meant by internal privacy? (Unit II)
10. Differentiate aspect and prospect. Give an example for each.(Unit II)
11. List the types of ventilation. (Unit II)
12. Define building bye-laws. (Unit III)
13. Identify what should be the minimum frontage line for the following buildings. (Unit III) i. Detached building ii. Semi detached building iii. Row type building
14. In a building the total covered area of all the floor is 600 m ² and plot area is 300 m ² . Determine how many floors can be constructed. (Unit III)
15. Recall the objective of building bye-laws. (Unit III)
16. Categorize the different type of road and assess which type of road requires maximum clearance and minimum clearance. (Unit III)
17. In a building the total covered area of all the floor is 1200 m ² and plot area is 100 m ² . Determine how many floors can be constructed. (Unit III)
18. List any four principles in planning a school building. (Unit IV)
19. What are the types of post office? (Unit IV)
20. What are the types of library? (Unit IV)
21. List any four principles in planning a library building. (Unit IV)
22. What are the spacing standards for planning a bank building. (Unit IV)

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23. Write a short note on the importance of Vaastu Sastra. (Unit V)
24. What are the five elements in Vaastu Sastra. (Unit V)
25. Draw the design loading pattern of a house as per vaastu. (Unit V)
26. As per Vaastu how many steps you will provide for a residential house. (Unit V)
27. Draw the location of the kitchen for a west facing house. (Unit V)

16 Marks

1. Explain the different component of building in detail. (Unit I)
2. Explain the classification of building based on fire resistance. (Unit I)
3. Explain the classification of residential building. (Unit I)
4. Explain the classification of building based on nature of occupancy. (Unit I)
5. Explain the classification of building based on built in environment. (Unit I)
6. What is meant by aspect and prospect. Explain in detail. (Unit II)
7. Explain the following in detail. (Unit II) I. Flexibility II. Economy III. Circulation
8. Explain grouping and roominess in detail. (Unit II)
9. Explain grouping and how it influences the privacy of a person in a building. (Unit II)
10. Elaborate the importance of lighting in planning a building. (Unit III)
11. Recommend the minimum plot sizes and building frontage required to construct a building. (Unit III)
12. Explain the following building bye-laws in detail. (Unit III) i. Minimum provision for lighting and ventilation. ii. Provision for providing greenbelt and landscaping..
13. Open spaces in the interior and exterior of a residential building will give a pleasant environment and proper lighting and ventilation. Justify the statement and explain in

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detail. (Unit III)
14. Justify how sanitation plays a major role in planning a building. (Unit III)
15. Elaborate the importance of ventilation in planning a building. (Unit III)
16. Explain the following building bye-laws in detail. (Unit III) i. Minimum provision for safety ii. Provision for providing off-street parking spaces.
17. Justify how lighting plays a major role in planning a building. (Unit III)
18. Explain the guidelines for planning and designing a residential building. (Unit IV)
19. Explain the guidelines for planning and designing a hospital building. (Unit IV)
20. Explain the guidelines for planning and designing a post office building. (Unit IV)
21. Explain the guidelines for planning and designing a bus station building. (Unit IV)
22. With a neat sketch explain Vaastu for an east facing plots. (Unit V)
23. Explain the Vaastu Rules for main entrance and staircase. (Unit V)
24. Explain orientation of different home components according to Vaastu. (Unit V)
25. Explain the importance of Vaastu. (Unit V)