

- Q.20 The area use for movement in a building is called _____.
(Circulation area / Plinth area)

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Explain the importance of barrier free design?
Q.22 Discuss the relevance of building byelaws in development?
Q.23 Explain earth quake and seismic zone.
Q.24 Discuss in brief the procedure of submission of building application?
Q.25 Why height controls are important in building?
Q.26 Explain Floor area Ratio and Floor space ratio.
Q.27 Why fire safety is important in buildings?
Q.28 What is the primary aim of zoning regulations?
Q.29 Why setbacks are important?
Q.30 Explain nation building code and its role in regulation?
Q.31 Why light and ventilation are important for a building?
Q.32 Explain Plinth area, carpet area and covered area?
Q.33 Explain horizontal circulation and vertical circulation?
Q.34 Explain different type of zones?
Q.35 Write short note on :
a) Hazardous building b) Zoning

Section-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Explain in detail the form BRI.
Q.37 Explain zoning and concept behind zoning?
Q.38 Explore the various parameters and standards recommended by BIS (Bureau of Indian Standards) and CPWD (Central Public work department) for removing architectural barriers to improve accessibility for persons with disabilities in buildings.

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Roll No.

4th Sem. Branch: Architecture

Sub : Building Bye Laws

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 What type of building is categorized as a "Mixed Land Use Building" under these bye-laws?
a) A building used solely for residential purposes
b) A building used exclusively for industrial activities
c) A building used partly for non-residential activities and partly for residential purposes
d) A building used for hazardous materials storage
Q.2 According to these bye-laws, what is the primary purpose of an "Educational Building"?
a) Transaction of business
b) Medical treatment
c) Instruction, education, or recreation related to education
d) Wholesale trade
Q.3 "Building Envelope" defines:
a) The maximum number of floors in a building
b) The boundary of the building plot
c) The legal documents required for construction
d) The materials used for construction

- Q.4 What is the definition of "Encroachment" in the context of building and land use?
- A legal document for property ownership
 - An act of unauthorized possession on land or property
 - A type of architectural design
 - A government building inspection
- Q.5 Construction, what is meant by "Open Space"?
- A room occupied for living and eating
 - A low wall along the edge of a roof
 - An area left open to the sky
 - A space enclosed by buildings
- Q.6 What does "Basemen" refer to in building terminology?
- The top floor of a building
 - The lower storey of a building below ground level
 - An outdoor recreational area
 - A type of roofing material
- Q.7 What is the purpose of a "Dwelling" in construction?
- To prevent moisture penetration
 - For the study and living of multiple families
 - For residential purposes for one family
 - To encroach on land or built-up property
- Q.8 How is "Covered Area" defined in construction?
- The ground area covered by walls
 - The space covered by garden and pools
 - The area covered above the plinth level by the building
 - The area covered by drainage culverts

- Q.9 What is the primary role of an "Architect" in building construction?
- Managing construction workers
 - Designing structural elements
 - Ensuring compliance with building codes
 - Providing plumbing and electrical services
- Q.10 In construction, what is a "Canopy"?
- A type of water proofing material
 - An enclosed stair case
 - A structural overhang over an entry
 - A space enclosed by buildings

Section-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 The ratio of the total floor area inclusive of all the floors to the area of the plot on which building stands is known as _____. (Floor area ratio / Covered area)
- Q.12 Damp proof course consist of an appropriate _____ material provided to prevent penetration of dampness or moisture. (waterproof / chemical proof)
- Q.13 The area left open to sky in the site called _____. (Open Area / Atrium)
- Q.14 Full form of N.B.C. _____.
- Q.15 The height of the Plinth should not be less than _____.
- Q.16 "_____" is a low height wall or railing built along edge of a roof. (Parapet / Chajja)
- Q.17 The area covered by the building immediately above plinth level is called _____. (Built up area / carpet area)
- Q.18 Door opening is not counted in the lighting and ventilation of the building. (True/ False)
- Q.19 Area of Kitchen is _____.