

**University of Mumbai**  
**Examination 2020 under cluster \_\_\_\_ (Lead College Short name)**

Program: Civil Engineering

Curriculum Scheme: Rev2016

Examination: Second Year Semester IV Course Code: CE C 404

Course Name: Building Design and Drawing

Time: 1 hour

Max. Marks: 50

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For the students: - All the Questions are compulsory and carry equal marks.

Q1.	In perspective drawing what is placed between observer and object?
Option A:	Vanishing point
Option B:	Station point
Option C:	Ground lines
Option D:	Picture plane/ plane of projection
Q2.	Two point perspective is also known as....
Option A:	Two-view perspective
Option B:	Angular perspective
Option C:	Parallel perspective
Option D:	Regular perspective
Q3.	Green building rating system "LEED" stand for.....
Option A:	Leadership in Energy and Environmental Design
Option B:	Leadership in Economy and Energy Design
Option C:	Leadership in Energy and Efficiency Design
Option D:	Leadership in Economy and Efficiency Design
Q4.	Which type of growth of town occurs as per Master Plan?
Option A:	Concentric Growth
Option B:	Ribbon Growth
Option C:	Planned Growth
Option D:	Satellite Growth
Q5.	The minimum area for opening shall be not less than
Option A:	1/10th of the floor area
Option B:	Half of the total floor area

Option C:	1/4th of the floor area
Option D:	1/3rd of the floor area
Q6.	What is the desirable pitch for stair case in residential building
Option A:	33 <sup>0</sup>
Option B:	42 <sup>0</sup>
Option C:	45 <sup>0</sup>
Option D:	35 <sup>0</sup>
Q7.	Which of the following is not a principle of architectural planning?
Option A:	Unity
Option B:	Contrast
Option C:	Rhythm
Option D:	Orientation
Q8.	The distance between ground line and horizon line is equal to the distance of....
Option A:	Station point from picture plane
Option B:	Picture plane from ground line
Option C:	Station point from ground plane
Option D:	Station point from vanishing point
Q9.	_____ is a set of rules that specify the standards for constructed objects such as buildings and non-building structures.
Option A:	IS Code
Option B:	Building bye-laws
Option C:	Procedure
Option D:	Building Code
Q10.	_____ refers to the effect produced by deriving the maximum benefits from the minimum dimensions off a room.
Option A:	Roominess
Option B:	Grouping
Option C:	Compactness
Option D:	Privacy
Q11.	Which is not an objectives of Building Bye laws?
Option A:	Protect public against fire, noise, health hazards and structural failures
Option B:	Provide health, safety and comfort to people who live in building
Option C:	Renovation of building without any charge by the government
Option D:	Allows disciplined and systematic growth of buildings and towns and prevents haphazard development
Q12.	Combining two or more plots as a single plot is called _____.
Option A:	Building set back
Option B:	Amalgamation
Option C:	Frontage

Option D:	Bifurcation
Q13.	Line up to which the plinth of a building adjoining a street may be law-fully extended is called?
Option A:	Building Plan
Option B:	Building boundary
Option C:	Building extend
Option D:	Building line
Q14.	In Queen post truss roof, the Queen post is
Option A:	Inclined member supporting roofing sheets
Option B:	Horizontal member connecting two common rafters at the bottom
Option C:	Vertical member between bottom tie beam and upper straining beam
Option D:	None of these
Q15.	In which case the Combined footing for columns is provided?
Option A:	When two columns are very close to each other
Option B:	When one of the adjacent column has higher load
Option C:	When column falls on the boundary of plot
Option D:	All of the above
Q16.	The bottom level of window is called as
Option A:	Lintel
Option B:	Sill level
Option C:	Plinth level
Option D:	Floor level
Q17.	Which one of the following is not indicated in wind rose diagram
Option A:	Wind velocity
Option B:	Wind frequency
Option C:	Humidity % in wind
Option D:	Direction of wind
Q18.	For what purpose sun path diagram is used in building planning?
Option A:	For efficient orientation of building
Option B:	For proper grouping of rooms in building
Option C:	For proper circulation in building
Option D:	For achieving roominess
Q19.	Any building is ready for use only after getting
Option A:	Completion certificate
Option B:	Occupancy certificate
Option C:	Title of owner ship of land/building
Option D:	Structural sufficiency certificate
Q20.	Set back distance for a building depends on _____
Option A:	Width of adjoining street
Option B:	Height of building

Option C:	Plot size
Option D:	All of the above
Q21.	What does it mean to have FSI value equal to 1?
Option A:	Total built up area in all floors is equal to the area of plot
Option B:	Area of plot is equal to the built up area of single floor
Option C:	Total built up area is twice the plot area
Option D:	Plot area is twice the total built up area
Q22.	What is the minimum value of plinth level for building?
Option A:	45 cm
Option B:	60 cm
Option C:	90 cm
Option D:	120 cm
Q23.	If a roof has slope in only one direction then it is called as.....
Option A:	Couple roof
Option B:	Mansard roof
Option C:	Lean to roof
Option D:	Deck roof
Q24.	As per IS CODE 962:1989, the recommended scale for drawing site plan of any building is
Option A:	1:100
Option B:	1:200
Option C:	1:500
Option D:	1:1000
Q25.	For any building which of the following is highest calculated value?
Option A:	Carpet area
Option B:	Built up area
Option C:	Plinth area
Option D:	Super built up area

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Question Number	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	D
Q2.	B
Q3.	A
Q4.	C
Q5.	A
Q6.	B
Q7.	D
Q8.	C
Q9.	B
Q10.	A
Q11.	C
Q12.	B
Q13.	D

Q14.	C
Q15.	D
Q16.	B
Q17.	C
Q18.	A
Q19.	B
Q20.	D
Q21.	A
Q22.	A
Q23.	C
Q24.	C
Q25.	D