

PART – B

(Analytical/Problem solving questions)

[4×10=40]

Attempt any four questions

Q.1 What are the orientation criteria for the Indian tropical climate? [10]

Q.2 Write down the bye-laws regulations regarding – [4×2½=10]

- (a) Set back
- (b) Carpet area
- (c) Size of habitable rooms
- (d) F. A. R.

Q.3 What is thermal comfort? How will you achieve thermal comfort for a residential building in Rajasthan? [10]

Q.4 Explain the layout of different components of a residential building as per the cardinal directions in Vastu. [10]

Q.5 What are the louvers? Explain their types with the help of a diagram. [10]

PART – C

(Descriptive/Analytical/Problem Solving/Design Questions) [1×15=15]

Attempt any one questions

Q.1 Draw a detailed plan of a secondary school for an area with population 15,000. Estimate the size of plot; size of classrooms and other components. Show the detailed plan of a classroom with furniture plan and dimension detail. [15]

Q.2 What is sun path diagram? What is its significance in building planning? Explain the method of drawing sun path diagram with a neat sketch. [15]

Q.3 What are the remedial treatments for sound insulation of walls, floors and ceilings? [15]

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