

BE Semester-III (Civil) Question Bank

BUILDING AND TOWN PLANNING

All questions carry equal marks(10 marks)

Q.1	Prepare line plan for single storied detached house for a family of four persons, according to principals of planning and architecture. Assume built up area 12m X 8m.
Q.2	Explain necessity of building bye laws. Explain set back and FSI for buildings.
Q.3	What should be orientation of building and rooms with respect to North direction.
Q.4	Define roominess, ventilation, aspect and economy for planning of residential buildings.
Q.5	Draw perspective view of a security cabin viewed from distance of 1.5 times height of building. Assumes necessary dimensions of building components appropriately.
Q.6	Differentiate: (1) one point and two point perspective (2) load bearing and framed building.
Q.7	Define: 1-picture plane 2-vanishing point 3-observer station 4-eye level.
Q.8	Define according to principles of architecture: 1-symmetry 2-monotony 3-color 4-architectural scale
Q.9	Define landscaping and explain merits and demerits of it.
Q.10	Explain the reasons, preventive measure and remedial measures of slums
Q.11	Plan and draw neighbourhood township on land area of 1 km. X 1 km.
Q.12	Write elements of town and classify the towns.
Q.13	Classify the zones of town. Write principles of zoning town.
Q.14	Define: point, line, volume, form and composition for architectural principles.
Q.15	Design stair for residential house for stair cabin of 3m X 7m.
Q.16	Plan and draw line plan for a primary school of single storey on a land area of 60m X 80m. assume appropriate data.
Q.17	Describe the surveys required for preparing development plan for a town.
Q.18	Prepare working plan and section of for 2BHK house
Q.19	Why perspective view is drawn. Explain the method of drawing perspective view with neat sketch.
Q.20	Draw line sketch for drainage system for residential house.
Q.21	Draw line plan for semidetached house on a land area of 20m X 28m.
Q.22	Work out FSI for 3 storied building having built up area of 12m X 8m on two floors, and 6m X 8m on top floor. The land area on which the building is proposed 18m X 12m.
Q.23	Write the list of principles of planning and explain the privacy in detail with neat sketches.
Q.24	Draw and ideal drawing room of 5m x 7m and arrange furniture ideally.
Q.25	Draw and ideal bed room of 4m x 5m and arrange furniture ideally.
Q.26	Explain the circulation with neat sketch.
Q.27	Differentiate: load bearing structures, framed structures and composite structures.

Q.28	Define: 1-picture plane 2-vanishing point 3-ground line 4-horizon.
Q.29	Explain grouping principle of planning.
Q.30	Plan and prepare line plan for 20 bed medium size hospital.
Q.31	Plan and draw line plan hostel for 40 students of engineering college.
Q.32	Plan and draw line plan of a commercial centre.
Q.33	Prepare the list of data required before starting planning of building.
Q.34	Give classification of stairs.
Q.35	Explain elements of stair with neat sketch.
Q.36	Define: plinth, soffit, sill, loft, lintel.
Q.37	Explain contrast and harmonious compositions.
Q.38	Explain the factors considered for planning earthquake resistant building.
Q.39	Explain (1) ages of town (2) ribbon development.
Q.40	Explain the "Taj Mahal " from architectural composition point of view.