

- (1) FSI (2) Setback (3) margin
- Q-3** **Attempt all questions**
- (a) State the requirements of a Hospital building & draw its line plan. **07**
- (b) Explain the following term with sketch **07**
- (1) station point (2) horizontal plane (3) vanishing point
- Q-4** **Attempt all questions**
- (a) Design and draw a residential building plan from the following requirement: **07**
- (1) Verandah (2) Living cum Dining (3) Two Bed room with attached toilet (4) Kitchen cum store (5) Stair room (Internal stair only).
Select the suitable area for above requirements and draw Ground floor plan to a scale of 1 :100. Show north line. Assume other suitable data.
- (b) Draw the sectional elevation passing through stair of Q No 4 (a). **07**
- Q-5** **Attempt all questions**
- (a) Draw the Elevation of residential building design in Q No 4 (a). **07**
- (b) Sketch arrangement of furniture in the following (i) Drawing room 5.4m x 4.8m **07**
(ii) Bed room 5m x 4m. Write the dimension of furniture.
- Q-6** **Attempt all questions**
- (a) Explain the necessity of building bye-laws. Explain Carpet area and Built up area. **07**
- (b) Draw a line plan of Residential building with following requirements. **07**
- (i) Living room 3.5m x 4m.
(ii) Kitchen cum dining 3m x 4m
(iii) Bed room 3.5m x 4m
(iv) Common toilet 1.20m x 2 m
(v) Verandah 1.20m x 2 m
- Q-7** **Attempt all questions**
- (a) Explain any seven commands used in Auto CAD **07**
- (b) State the requirements of a Post office building & draw its line plan. **07**
- Q-8** **Attempt all questions**
- Prepare the exterior two point perspective of a Security room of plan size 3m x 4m on the scale of 1 : 50. Assume thickness of wall 0.3m, clear height=3m, slab thickness =0.15m. Longer wall making an angle of 30⁰ with horizontal plane. In perspective view a door (size 0.90m x 2.10m) on one face and a window (size 1.20m x 1.20m) on the other face should appear. Assume all other suitable dimension. **14**

