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Question Paper Code: U8167

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2024

One credit

Civil Engineering

21UCE867 BUILDING PLANNING AND BYLAWS

(Regulations 2021)

Duration: 1.30 minutes

Maximum: 50 Marks

Answer ALL Questions

PART A - (9 x 2 = 18 Marks)

1. Define roominess, ventilation, aspect and economy for planning of residential buildings. CO1-U
2. Write elements of town and classify the towns. CO1-U
3. Define: 1-picture plane 2-vanishing point 3-observer station 4-eye level. CO1-U
4. Explain grouping principle of planning. CO1-U
5. Explain contrast and harmonious compositions. CO1-U
6. Describe the surveys required for preparing development plan for a town. CO1-U
7. What should be orientation of building and rooms with respect to North direction? CO1-U
8. Explain (1) ages of town (2) ribbon development. CO1-U
9. Define landscaping and explain merits and demerits of it. CO1-U

PART – B (2 x 16= 32 Marks)

11. (a) Plan and draw line plan hostel for 40 students of engineering college. CO1-U (16)

Or

- (b) Differentiate: load bearing structures, framed structures and composite structures. CO1-U (16)

12. (a) 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 CO2- App (16)

Or

- (b) Draw perspective view of a security cabin viewed from distance of 1.5 times height of building. Assumes necessary dimensions of building components appropriately. CO2- App (16)