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**Question Paper Code: U8172**

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

One credit

Civil Engineering

21UCE872- PRACTICAL ASPECTS OF ARCHITECTURE

(Regulations 2021)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (9 x 2 = 18 Marks)

1. What is meant by “Planning of Building”? CO1- U
2. List the orientation criteria for Indian conditions. CO1- U
3. What is meant by specifications in building construction? CO1- U
4. Name the Standards deals with building planning and construction to promote quality in the building. CO1- U
5. List any 4 trees used in Landscape Design. CO1- U
6. What is meant by Surveying and Leveling in Building Construction? CO1- U
7. List any 4 Building Materials used in Construction of Boundary Wall. CO1- U
8. List the application of Stone in building construction. CO2-App
9. List the application of Plants in Landscape Design of building. CO2-App

PART – B (2 x 16= 32 Marks)

10. (a) Discuss about the application of orientation in planning of building at site. Explain about Site Analysis and Site Planning with a case example. CO3- App (16)

Or

- (b) Explain the application of Site Analysis and Site Planning in Architectural Design Process of a Residential Building in a Urban Area. Illustrate with neat sketches. CO3- App (16)

11. (a) Analyze the Site Analysis Process in Site Planning of a Residential building and relate with planning of spaces in the building. CO4-Ana (16)

Or

(b) Analyze the merits and demerits of Brick, Timber, Terracotta and Concrete in terms of Construction of Roof in a building. CO4-Ana (16)