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Reg. No. :

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**Question Paper Code: 59404**

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Elective

Civil Engineering

15UCE904-TOWN PLANNING AND ARCHITECTURE

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Different types of architects are CO1- R  
(a) Residential Architect. (b) Industrial Architect  
(c) Landscape Architect. . (d) All the above
2. A series of elements can be arranged along an axis is CO1- R  
(a) Size (b) Shape (c) Line (d) Datum
3. The area of neighborhood according to C.Perry will be around CO2- R  
(a) 160 acres (b) 1600 acres (c) 2600 acres (d) 360 acres
4. A good layout can be prepared by planning a high density of order CO2- R  
of \_\_\_\_\_ persons/acre.  
(a) 300-350 (b) 400-450 (c) 500-550 (d) 600-650
5. An anti space between interior and exterior is. CO3- R  
(a) Hall (b) Sit out (c) Portico (d) Washing area
6. Every planning authority shall maintain the separate fund is called CO3- R  
(a) Planning fund (b) Development fund  
(c) Planning and development fund (d) Planning and development fund
7. Which type of trees are suitable for shading purposes CO4- R  
(a) Deciduous (b) Non deciduous (c) Bamboo (d) Neem tree

8. \_\_\_\_\_ is the basic means of forming outdoor walls with plants CO4- R  
 (a) Linear planting (b) centre planting (c) Corner planting (d) None of these
9. Which one is legal implications CO5- R  
 (a) Easements (b) Cost of land (c) Cost of vehicle (d) Cost of building
10. Factors to be considered in town planning are CO5- R  
 (a) Topography (b) Ecology of Land  
 (c) Governing body and cultural heritage (d) Society needs

PART – B (5 x 2= 10 Marks)

11. Write a note on “Architectural Design” CO1- R
12. Explain different theories of developments CO2- R
13. Differentiate between commercial and Industrial buildings. CO3- R
14. What are the factors that determine climate. CO4- R
15. Differentiate town and urban planning. CO5- R

PART – C (5 x 16= 80 Marks)

16. (a) List the elements of Architectural design and explain them with sketches CO1- U (16)  
 Or  
 (b) Explain in details Principles of Architecture and Design of Architecture. CO1- U (16)
17. (a) Explain in details the various Layout design concepts. CO2- U (16)  
 Or  
 (b) Describe the different types of surveys used in site planning. CO2- U (16)
18. (a) Draw a sketch of a typical 'basement floor' and 'mezzanine floor' with dimensions as stipulated by NBC CO3- U (16)  
 Or  
 (b) What are the considerations for designing a building in Chennai's climate? CO3- U (16)
19. (a) What are the compliance options for materials to be used in the buildings for IGBC certification? Explain in detail. CO4- U (16)  
 Or  
 (b) Write a detailed essay on the green building movement. CO4- U (16)

20. (a) Planning involves allocation of resources efficiently. Elaborate. CO5- U (16)
- Or
- (b) Write detailed notes on the following CO5- U (16)
- (i) Zoning Regulations
  - (ii) Urban Renewal

