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Total Number of Pages : 2

AR-17

B.TECH

**B.TECH 5<sup>th</sup> SEMESTER EXAMINATIONS, NOV/DEC 2019**  
**BCEOE5051 – TOWN PLANNING**  
**CIVIL BRANCH**

Time : 3 Hours

Maximum : 100 Marks

Answer ALL Questions

The figures in the right hand margin indicate marks.

**PART – A: (Multiple Choice Questions) 10 x 2=20 Mark****Q.1. Answer All Questions**

- a Replacement of low income residents with high income population can be described as [CO1] [PO1]  
 (a) Gentrification (b) Urban Sprawl (c) Satellite Town (d) Urban Core Revitalization
- b Which is the most preferred way to deal with slums? [CO1] [PO8]  
 (a) Slum clearance (b) On-site slum redevelopment (c) Slum relocation (d) Slum rehabilitation
- c -----is based on the observation that in many cities there are a series of nuclei in the [CO2] [PO5]  
 patterning of urban land uses rather than a single central core  
 (a) Sector nuclei concept (b) Multiple nuclei concept (c) Concentric nuclei concept (d) Transition theory
- d Congestion factor is likely to be minimum in a city with [CO3] [PO1]  
 (a) Gridiron street patter (b) Organic street pattern (c) Lesser road length per square kilometer (d) Radial street pattern
- e Optimum walkable distance in the neighborhood is [CO2] [PO3]  
 (a) Less than 400 meters (b) 400 to 800 meters (c) 800 to 1000 meters (d) 1000 and above meters
- f The census data is collected on the basis of smallest unit of [CO4] [PO4]  
 (a) Sectors (b) Wards (c) Zones (d) Prabhag
- g Space syntax as a science-based, human-focused approach that investigates relationships between- [CO5] [PO7]  
 -----and a range of social, economic and environmental phenomena.  
 (a) Spatial layout (b) Cultural parameters (c) Urban form (d) Physical parameters
- h Which is not a part of tertiary sector [CO2] [PO1]  
 (a) Industries (b) Transport and communication (c) Entertainment (d) Real estate
- i Radial Road provide direct access to the -----of the city [CO3] [PO1]  
 (a) Fringe (b) Central part (c) Intermediate city (d) All over the city
- j A system for classifying and designating the appropriate use of properties on land [CO5] [PO1]  
 (a) Land cover classification (b) Land & built ratio (c) Land space classification (d) Land use classification

**PART – B: (Short Answer Questions) 10X2=20 Marks****Q.2. Answer All questions**

- a State the fundamental principles of town planning? [CO1] [PO1]
- b What are the factors affecting functional planning of buildings? [CO2] [PO1]
- c What are the factors affecting growth of town according to direction? [CO3] [PO3]
- d What are the ill effects of Ribbon development? [CO4] [PO1]
- e State any four salient features of the master plan of “Sindhu Valley” [CO5] [PO1]
- f State the principles of zoning? [CO2] [PO1]
- g Define the “development plan”? [CO2] [PO1]
- h Write the causes of slum development? [CO3] [PO8]
- i Define F.A.R [CO4] [PO1]
- j List classification of Residential Building in housing? [CO1] [PO1]

**PART – C: (Long Answer Questions) 4X15=60 Marks****Answer ALL questions**

- Q.3
- a Explain objectives, scope and applicability of building bye-laws and development control regulations? 7 [CO5] [PO6]
- b Write the forms of planning and the ordering principles to be considered to maintain the continuity in the planning process? 8 [CO4] [PO1]
- OR
- c Explain the fundamental principles of architectural design of buildings? 7 [CO2] [PO1]
- d What are the important aspects of building bye-laws for a typical town? 8 [CO5] [PO6]
- Q.4
- a What are the important features to be considered in the selection of site for an ideal town? 7 [CO2] [PO3]
- b Explain different surveys which are carried out to collect the data? 8 [CO1] [PO4]
- OR
- c Explain the chief objects and uses of surveys? 8 [CO3] [PO4]
- d Write a short note on growth of towns according to origin? 7 [CO4] [PO1]
- Q.5
- a Explain the concept of Neighborhood Planning and write where this concept is useful and also where this is not suitable to adopt? 8 [CO1] [PO3]
- b Write the details of Satellite City the concept of Planning and describe it with appropriate examples? 7 [CO1] [PO3]
- OR
- c Explain the concept of Linear City Planning using appropriate examples? 8 [CO1] [PO3]
- d Explain the concept of Garden City Movement using appropriate examples? 7 [CO1] [PO3]
- Q.6
- a Explain Boulevards and landscape Architecture? 8 [CO2] [PO1]
- b What is Density Zoning? Write its advantages? 7 [CO2] [PO1]
- OR
- c What is a master plan and why it was necessary? 8 [CO4] [PO1]
- d What is Zoning? Write the objects of Zoning? 7 [CO2] [PO1]

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