



B.E DEGREE EXAMINATIONS: MAY 2017

(Regulation 2014)

Sixth Semester

CIVIL ENGINEERING

U14CETE13 : Urban and Regional Planning

COURSE OUTCOMES

- CO1:** identify the stages of planning process and surveys in planning
CO2: apply the principles of the regional, master, structural and detailed development plans
CO3: apply the concepts of the garden city movement, linear city and neighbourhood.
CO4: identify the financing agencies and its functions
CO5: apply the town and country plan act and building by-laws

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Matching type item with multiple choice code

CO2 [K₂]

List I	List II
A. Basic Village	1. last level of settlement and in future it may converted to big city
B. Rural town	2. contains good infrastructural facilities
C. Service Town	3. Serve as administrative centers
D. Town	4. primary occupation is agriculture

- | | A | B | C | D |
|----|---|---|---|---|
| a) | 2 | 3 | 1 | 4 |
| b) | 1 | 2 | 3 | 4 |
| c) | 4 | 3 | 2 | 1 |
| d) | 3 | 4 | 2 | 1 |

2. The survey to be conducted focusing the population aspects of a city or town is known as

CO1 [K₁]

- | | |
|-----------------------|----------------------|
| a) Vital survey | b) Social survey |
| c) Terrestrial survey | d) Functional survey |

3. The usual percentage of recreational zone in a normal town could be ----- CO2 [K₂]
 a) 40 % b) 30 %
 c) 50 % d) 20 %
4. Sequence the city classification based on population CO2 [K₂]
 1. Super city 2. Great city 3. City 4. Metro polis 5. Mega Polis
 a) 1-2-3-4-5 b) 2-1-3-4-5
 c) 1-2-4-3-5 d) 3-2-1-4-5
5. Which of these statements are correct? CO4 [K₂]
 1. Tamil Nadu state is divided in to 8 regions (Except Chennai Metro) for the purpose of issuing the approval for layout and building plans
 2. Palkalai Nagar is one of the New Town Development Authorities office in Madurai Region
 3. Theni is having one of the Local Planning Authorities office in Madurai Region
 4. Dindigul is one of the districts under Madurai Region
 a) 1,2,3,4 b) 2 only
 c) 1,2,4 d) 2,3
6. Which of these statements are correct? CO3 [K₂]
 1. Off street parking required for colleges is 70 m² for every 100 students
 2. In Tamil Nadu at present there are six smart cities
 3. Developing existing cities as smart is known as Brown Field Development
 City center or city hub is known as Central Business Districts
 a) 1,2,3,4 b) 2,3,4
 c) 1 & 2 d) 2&4
7. The following items consists of two statements, one labeled as the "Assertion(A)" and other as "Reason(R)". Examine these two statements and select the answers from the following codes. CO1 [K₁]
 Assertion(A) : Economic justification is necessary for any new town development plan
 Reason (R) : Economically the best town may be justified based on the highest aggregate land values
 a) (A) and (R) both are true and (R) is the correct reason for (A) b) (A) is True and (R) is False
 c) Both (A) and (R) are true but (R) is not the correct explanation for (A) d) (A) is False and (R) is true

8. Accommodation density of a city or an urban area means CO4 [K₂]
- a) No of houses per unit area b) No of persons per unit area
- c) No of houses and persons per unit area d) No of habitable room and persons per unit area
9. The document which is flexible in name and all the development works carried out based on it is known as CO5 [K₂]
- a) Regional Plan b) New city development plan
- c) Master plan d) National development plan
10. The following items consists of two statements, one labeled as the “Assertion(A)” and other as “Reason(R)”.Examine these two statements and select the answers from the following codes. CO5 [K₃]
- Assertion (A): The dwelling area which provides substandard housing/living conditions is called slum
- Reason (R): The decentralization is responsible for slums formation
- a) (A) and (R) both are true and (R) is the correct reason for (A) b) (A) is True and (R) is False
- c) Both (A) and (R) are true but (R) is not the correct explanation for (A) d) (A) is False and (R) is true

PART B (10 x 2 = 20 Marks)

(Answer not more than 40 words)

11. List the various methods adopted for the collection of data in survey CO1 [K₂]
12. Differentiate the terms:- Ring Road and By-Pass Road CO1 [K₂]
13. What are the maps required for zoning? CO2 [K₂]
14. Name the distinct parts of a town CO2 [K₂]
15. What is betterment? How it is calculated? CO3 [K₂]
16. What is meant by the neighbourhood concept of planning CO3 [K₂]
17. List any two financial agencies which support urban or regional developments CO4 [K₃]
18. State any two methods of generation of funding for urban development CO4 [K₂]
19. Differentiate the terms Permissible FSI and floating FSI CO5 [K₂]
20. Classify cities based on Road pattern CO5 [K₂]

Answer any FIVE Questions:-
PART C (5 x 14 = 70 Marks)
(Answer not more than 300 words)

Q.No. 21 is Compulsory

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|---|-----|-----|-------------------|
| 21. i) Zoning is necessary for any town or urban area development:-Justify | (7) | CO1 | [K ₂] |
| ii) Explain the various principles of town planning | (7) | CO2 | [K ₂] |
| 22. Explain the planning principles of Ebenezer Howard (Garden City movement) | | CO3 | [K ₃] |
| 23. i) Enumerate the features of a Garden City and Blue Green City of Urban Planning | (7) | CO3 | [K ₂] |
| ii) Define the term set back and mention its advantages | (7) | CO5 | [K ₂] |
| 24. Explain the roles and functions of Urban Planning agencies | | CO4 | [K ₃] |
| 25. Explain the salient features of Town and country planning act | | CO5 | [K ₃] |
| 26. ii) Explain the concept of the Floating FSI or Transferable Development Rights(TDR) with an example | | CO3 | [K ₂] |
| 27. What are the objects of building bye laws? List any five Building Bye laws for a residential building | | CO5 | [K ₃] |
