Total No. of Questions: 6 *Total No. of Printed Pages:3*

Enrollment No.....

Faculty of Engineering

End Sem Examination Dec 2024

CE3EC09 Urban Planning & Sustainable Development

Programme: B.Tech. Branch/Specialisation: CE

Duration: 3 Hrs. **Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

			Marks	BL	PO	CO	PSO
Q.1	i.	1 hectare is equal to- (a) 1.0 sq km (b) 0.1 sq km (c) 0.01 sq km (d) 0.001 sq km	**1**	1	1	1	
	ii.	Which of the following is NOT a purpose of urban planning? (a) Promote public health (b) Public safety (c) Social welfare (d) Maximizing benefits to a given social class	**1**	1	1	11	
	iii.	Which of the following maintains strong economic ties based on dependency with nearby major city? (a) Twin city (b) Satellite town (c) Counter magnet (d) Independent new town	**1**	1	1	11	
	iv.	Which of the following is not an accepted method for Municipal Solid Waste disposal? (a) Sanitary land fill (b) Open dump disposal (c) Conversion of waste to compost (d) Recycling	**1**	1	1	7	
	v.	The land supply for urban expansion can be determine by- (a) TLA- (PCA+BU) (b) PCA- (TLA+BU) (c) BU- (PCA+TLA) (d) BU- (TLA-PCA)	**1**	1	1	1	

P.T.O.

vi.	The Planning Commission was established in the year- (a) 1947 (b) 1948 (c) 1950 (d) 1965	**1**	1	1	11			
vii.	Sheep foot roller is used for compacting- (a) Granular soil (b) Non-plastic silts (c) Fine sands (d) Clayey soil	**1**	1	1	5			
viii.	Scraper is used for- (a) Scraping of soils (b) Excavation only (c) Excavation, transporting and dumping of soil (d) None of these	**1**	1	1	5			
ix.	Who presides over the National Development council? (a) Prime Minister (b) Home Minister (c) Vice- President (d) RBI Governor	**1**	1	1	11			
x.	Architect of India's second five year plan is- (a) Harrod- Domar (b) Mahalanobis (c) Bramanandha (d) Chakravarti	**1**	1	1	11			
Q.2	i.	What are the objectives of urban planning commission?	**2**	2	2	11	2	
	ii.	What are the stages in town planning?	**3**	2	2	11	2	
	iii.	What are the challenges and issues of urban planning practices in India?	**5**	2	2	11	2	
OR	iv.	Discuss planning of town. Explain in brief any two types planning of town.	**5**	2	2	11	2	
Q.3	i.	What are the principles of zoning in town planning?	**2**	2	2	6	2	
	ii.	What is survey in urban planning? What are the different types of surveys? Explain any two.	**8**	2	2	6, 11	2	
OR	iii.	What is the function of urban planning agencies? Which agency is responsible for urban planning and development?	**8**	2	2	11	2	
Q.4	i.	Explain in brief what are the objects of re-planning.	**3**	2	2	11	2	
	ii.	What are the differences between centralization and decentralization in government? Also explain its advantages.	**7**	2	2	11	2	
OR	iii.	Explain in brief surface drainage and refuse of town.	**7**	2	3	7	2	
Q.5	i.	How many types of equipments or machinery is used for urban development?	**4**	2	2	5	2	
	ii.	What is the excavating equipment? Explain in brief any two types of excavating equipment.	**6**	2	2	5	2	
OR	iii.	Write short notes on- (a) Drag line (b) Dozer (c) Power shovel	**6**	2	2	5	2	
Q.6	i.	What is the process of preparation of master plan?	**5**	2	2	11	2	
	ii.	What are the methods of sustainable development?	**5**	2	3	7	2	
OR	iii.	What to consider when creating a development plan? What are the four element of a good development plan?	**5**	2	3	11	2	

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Subject / Course Name : Urban Planning & Sustainable Development
Course Code : CE3EC09

Q1
i) c.
ii) d.
iii) b.
iv) b.
v) a.
vi) c.
vii) d.
viii) a.
ix) a.
x) b.

Q2. i) 0.5 marks for each point.. (0.5x4 = 2)
ii) –
iii) 8 points for full marks. ~~(6)~~ (5)
iv) 1 marks for part 1.
2 marks for each type of town planning } (1+2+2 = 5)

Q3
i) 0.5 marks for each point (0.5 x 4 = 2)
ii) Part 1 → 1 marks.
Part 2 → 2 marks.
Part 3 → 5 marks } 8 marks
iii) Part 1 → 6 marks } 8 marks
Part 2 – 2 marks

Q4 i) 1 marks for each point. (1x3 = 3 marks)
ii) Part 1 → 3.5 marks
Part 2 → 3.5 marks } 7 marks
iii) Surface drainage → 5 marks
Refuse of town → 2 marks } 7 marks

Q5 i) 1 mark for each type/sub type. (1×4 = 4 marks)

ii) Part 1 → 2 marks
Part 2 → 4 marks
} 6 marks

iii) 2 marks for each (2×3 = 6 marks)

Q6 i) -

ii) 1 marks for each point (1×5 = 5)

iii) Part 1 → 2 marks
Part 2 → 3 marks
} 5 marks.