

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: B.ARCH
BRANCH: ARCHITECTURE**

**SEMESTER : IX
SESSION : MO/2025**

SUBJECT: AR502 HUMAN SETTLEMENT PLANNING

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Give the salient planning features of any two Settlement/civilisations that finds its root in Indian subcontinent.	[5]	CO CO3	BL BL1
Q.1(b)	Discuss the functions of third world cities, their issues of growth and probable solutions to combat the problems.	[5]	CO2	BL2
Q.2(a)	Discuss with diagrammatic representations, the concept of 'Satellite towns' and 'Ribbon development'.	[5]	CO1	BL1
Q.2(b)	Illustrate through sketches, the concept of Garden city, its principles and how the same was achieved. State the features of Letchworth, UK.	[5]	CO4	BL2
Q.3(a)	Describe any two of the following road patterns and write its advantages and disadvantages	[5]	CO5	BL3
	i). Block pattern, ii). Radial pattern, iii) Hexagonal pattern,			
Q.3(b)	Write a comparative note illustrating the difference in planning of the city of Ranchi and Gandhinagar.	[5]	CO5	BL2
Q.4(a)	With respect to Development Control Regulations (DCR), write a descriptive note on it along with emphasizing the objectives and types of DCR prevalent.	[5]	CO2	BL1
Q.4(b)	What are the targets set for the first four 'five-year plans' in India?	[5]	CO4	BL1
Q.5(a)	Discuss the features of 'Special Economic Zones' and benefits of 'Transit Oriented Development'.	[5]	CO1	BL4
Q.5(b)	Define Smart City and give a note on its salient points. Give a description harping on objectives, mode of funding and features of "Swachh Bharat Mission" in India.	[5]	CO1	BL1

:::20/11/2025:::M