

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION MO 23)

CLASS: BARCH
BRANCH: ARCHITECTURE

SEMESTER : IX
SESSION : MO 2023

SUBJECT: AR502 HUMAN SETTLEMENT PLANNING

TIME: 03 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. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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Q.1(a)	Explain the factors responsible for evolution of human settlements.	[2]	CO1	BL1
Q.1(b)	Summarize through flowchart the development of early Christianity and Islam from the descendants of Abraham	[3]	CO2	BL2
Q.1(c)	Present the settlement system of Roman cities based on religious auspices, defense requirements, technical considerations, and town categorization.	[5]	CO4	BL3
Q.2(a)	Outline the features of a Linear city as proposed by Soria Y Mata	[2]	CO3	BL1
Q.2(b)	Summarize the concept proposed by Lewis Mumford for different categories of town (Polis).	[3]	CO3	BL2
Q.2(c)	Explain the town planning as per Vastu Shastra	[5]	CO4	BL4
Q.3(a)	Comment on the different forms of growth of a town?	[2]	CO2	BL2
Q.3(b)	Appraise and categorize on the factors influencing growth and decay of human settlements.	[3]	CO5	BL4
Q.3(c)	Criticize the planning of a sustainable neighborhood along with sketches. Relate it to the initial concept proposed for neighbourhood by Clarence Perry.	[5]	CO5	BL5
Q.4(a)	List the different forms of land uses present in urban areas with their colour codes	[2]	CO2	BL4
Q.4(b)	Present the features of the following road pattern: (i) Rectangular (ii) Radial (iii) Hexagonal	[3]	CO3	BL6
Q.4(c)	Write in details about "Development Plan" considering objectives, scope and contents.	[5]	CO6	BL5
Q.5(a)	Write the focus areas of Smart City Mission	[2]	CO5	BL5
Q.5(b)	Appraise about the 6 new missions launched by the Government of India?	[3]	CO6	BL5
Q.5(c)	Criticize the functions of town planning organizations in India.	[5]	CO6	BL6

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