

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

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

**SEMESTER: IX  
SESSION: MO/2022**

**SUBJECT: AR703 SUSTAINABLE CITY PLANNING**

**TIME: 2 HOURS**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The total marks of the questions are 25.
  2. Candidates attempt for all 25 marks.
  3. Before attempting the question paper, ensure you have the correct question paper.
  4. The missing data, if any, may be assumed suitably.
  5. Tables/Data handbook/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q1 (a) What is Sustainability?	[2]	CO1	analyze
Q1 (b) What are the three pillars of Sustainability?	[3]	CO1	remember
Q2 (a) What are the Basic Principles of a Sustainable City	[2]	CO1	evaluate
Q2 (b) What is Chanakya's town planning concept? Mention any two types.	[3]	CO2	remember
Q3 (a) Write a note on the concept of Green City.	[2]	CO1	analyze
Q3 (b) What are the different Ecological urban land-use Models? Explain it.	[3]	CO2	evaluate
Q4 (a) What is the difference between a developed and sustainable developed city?	[2]	CO1	analyze
Q4 (b) Explain the Grid Irion city planning concept in the context of Chandigarh.	[3]	CO2	evaluate
Q5 (a) What are the advantages and disadvantages of Town and Countryside?	[2]	CO2	evaluate
Q5 (b) What is the basic concept of Garden city Planning? Define it with good sketches.	[3]	CO2	evaluate

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