

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

CLASS: MUP
BRANCH: ARCHITECTURE AND PLANNING

SEMESTER : I
SESSION: MO/2023

SUBJECT: AR605 URBAN ECOLOGY AND ENVIRONMENTAL 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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		CO	BL
1. a)	Describe components of natural environment with suitable examples?	[5] CO1	Understand
b)	"Biodiversity and Ecosystem" - justify the linkages between the two.	[5] CO1	Analyse
2. a)	Appraise the concept of 'Dynamic Balance' and 'Resilience' in the context of Ecological approach to planning.	[5] CO2	Analyse
b)	Justify the statement - 'Bioregionalism approach is a useful strategy to shape our cities from an ecological perspective'.	[5] CO3	Apply
3.a)	Enumerate the categories of Water Pollution, and Water pollutants.	[5] CO1	Understand
b)	Evaluate the importance of EIA process.	[5] CO2	Evaluate
4.a)	Rationalise the three legs of 'Integrated environmental management framework'.	[5] CO1	Evaluate
b)	Elaborate the concept of Eco-city. Outline the constraints and issues for Eco-city planning concept for developing new city or adapting for existing cities.	[5] CO2	Understand, Analyse
5.a)	Measure the major objectives and functions of the United Nations Environment Programme (UNEP).	[5] CO3	Evaluate
b)	Restate the outcomes of the Rio Summit 1992.	[5] CO3	Interpret

:28/11/2023:E