

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

**CLASS: MTECH  
BRANCH: REMOTE SENSING**

**SEMESTER : II  
SESSION : SP/2023**

**SUBJECT: RS527 REMOTE SENSING OF ENVIRONMENT**

**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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	Marks	CO	BL
Q.1(a) How is the limit of sustainability crossed? Explain with an appropriate example.	[5]	1	2,5
Q.1(b) With an example, site how a sustainable Forest Management Plan may be achieved.	[5]	1	2,3
Q.2(a) What is an Ecosystem? With an example write the flow of energy in any ecosystem.	[5]	2	1,5
Q.2(b) Write a note on Landscape ecology	[5]	2	4
Q.3(a) Define Primary and secondary pollutant with example? Rain is always acidic, then how acid rain defines. Explain in detail about acid rain.	[2+3]	3	2,4
Q.3(b) Write down 4 green house gases. Explain why enhanced green house effect is not good.	[1+4]	5	1,5
Q.4(a) What is 3R concept in waste management? Describe the processes/steps of solid waste management.	[1+4]	4	1,5
Q.4(b) What is the difference between EIA and EMP? Describe the detail steps of EIA.	[1+4]	4	2,5
Q.5(a) What is the difference of weather and climate? What do you understand about climate change and its possible consequences?	[1+4]	1,5	1,5
Q.5(b) When IPCC got Nobel Prize? Write Short note on IPCC?	[1+4]	5	4

:27/04/2023:E