BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2024)

CLASS: BHMCT   SEMESTER : VII
BRANCH: HMCT   SESSION : MO/2024

SUBJECT: GI501 PRINCIPLES OF REMOTE SENSING

TIME: 02 Hours   **FULL MARKS: 25**

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 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)	What is Remote Sensing? Discuss with suitable example	[2]	1	1
Q.1(b)	Discuss different platform of remote sensing	[3]	1	1
Q.2(a)	Explain in detail with a diagram about the different steps of the Image Acquisition Process	[3]	1	3
Q.2(b)	Compare between active and passive remote sensing	[2]	2	2
Q.3(a)	Differentiate between Geo-Synchronous and Sun Synchronous satellite	[2]	2	2
Q.3(b)	What is BIL, BSQ and BIP. What are they used for. Explain.	[3]	1	2
Q.4(a)	What do you understand by 'Open Data Sources'.	[2]	3	2
Q.4(b)	What is the importance of Ground Truth? Explain in brief.	[3]	1	3
Q.5	Name any one application of remote sensing. Expand your answer	[5]	5	1,3

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