

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

**CLASS: M.Tech  
BRANCH: Remote Sensing**

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

**SUBJECT: RS521 DATA SOURCES, STATISTICS AND RESEARCH METHODS IN GEOSPATIAL DOMAIN**

**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
Q.1(a)	Give an account of national and international projects in the geospatial domain	[5]	1 1
Q.1(b)	Why the USGS Global visualization viewer (GloVis) and Bhuvan are considered important source of geo-spatial data providers at international and national level respectively?	[5]	1 2
Q.2(a)	Write down the components of a project proposal and a problem statement in 50 words.	[5]	2 4
Q.2(b)	What is the significance of literature review?	[5]	2 3
Q.3(a)	When will you use Chi-Square Test? Can you explain Chi-square Test?	[5]	3 3
Q.3(b)	What do you mean by Hypothesis? What are different types of hypothesis? Elucidate its characters.	[5]	3 2
Q.4(a)	What are the objectives and types of research? Elaborate	[5]	3 2
Q.4(b)	How can qualitative and quantitative research be distinguished?	[5]	3 3
Q.5(a)	How would make an effective communication plan for successful completion of a project?	[5]	4 3
Q.5(b)	You were asked to do a literature review on a subject. How will you go about choosing research papers from Internet? What are the quality parameters you will consider for evaluation? Explain in detail.	[5]	4 5

:::24/04/2023 E:::