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Ph.D. GEOLOGY

Term-End Examination June, 2019

RGYE-112 : GEOLOGICAL APPLICATIONS OF REMOTE SENSING AND GIS

Time: 3 hours		Maximum Marks: 100	
Note	: (i) Answer any five questions (ii) All questions carry equal		
1.	Discuss in detail applications of in geomorphological studies.	f remote sensing	20
2.	Give a detailed account on the sensing and GIS in identimineralized zones.		20
3.	Write an essay on recent programmes useful for geologic		20
4.	Describe in detail the recent adsensing and GIS analysis and geological disasters.		20
5.	Describe the importance of ir remote sensing and GIS for I studies.		20
6.	Discuss in detail digital image p	rocessing.	20

- 7. Write short notes on any two of the following:
 - (a) Sampling pattern 2x10=20
 - (b) Data integration
 - (c) Accuracy assessment
 - (d) Importance of ground truthing in geological research
- 8. Write short notes on any two of the following:
 - (a) DEM 2x10=20
 - (b) Spatial analysis
 - (c) Principal of GNSS operation
 - (d) Utility of visual image interpretation in identifying geological structures.