

Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: Advances in GeoInformatics Engg. Semester: VIII Program: B.Tech GIE Course Code: PEGI 4001 Instructions:		Time : 03 hrs. Max. Marks: 100	
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Signify the usage of WAP as a global communication standard.	4	CO2
Q 2	Define the term Mashup as used in GIS applications and its importance.	4	CO4
Q 3	Explain the functions of IMU and different types of data it can collect to aid in mobile mapping.	4	CO1
Q 4	List the types of movements that can happen during landslides.	4	CO4
Q 5	Define a distributed GIS system.	4	CO3
SECTION B (4Qx10M= 40 Marks)			
Q 6	Tabulate the geological, morphological and human causes of landslide occurrence.	10	CO4
Q 7	Describe the advantages and disadvantages of a distributed GIS.	10	CO3
Q 8	Explain the processes and characteristics of the principles involved in OBIA.	10	CO4
Q 9	Justify the statement “Mobile computing and wireless communication are considered two of the strongest trends in the modern computer industry”.	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q 10	Describe the earth observation techniques/methods employed for landslide monitoring and hazard zonation. Draw a suitable flowchart.	20	CO4
Q 11	Using a flowchart describe in detail the architecture of Mobile GIS. OR Describe the process of linear referencing, its uses, applications and the implementation methodology in ArcGIS.	20	CO3