No. of Printed Pages : 2

Sl. No.

21APG1C3L

M.Sc. I Semester Degree Examination, April/May - 2023 APPLIED GEOLOGY

Geomorphology and Structural Geology

(CBCS)

Time : 3 HoursMaximum M		urks : 70	
Note	e :	Answer any five of the following questions with Question No. 1 Compulsory , a question carries equal marks.	each
1.	Ans (a)	swer the following : What is weathering ? Explain the types of weathering processes and their impac on the landscape ?	14
	(b)	Give a detailed account on soil profile with neat sketch.	
2.	Ans (a)	wer the following : What is Aeolian Geomorphology, and what are the key features of Aeolian	14
	(b)	landscapes ? What is the Shepard's classification of coast, and what are its main components ?	
3.	Answer the following :		14
	(a)	Discuss the geomorphology of India.	
	(b)	Explain what an ash shower is, how it forms, and what the potential impacts of ash showers are on the environment and human health ?	
4.	Answer the following :		14
	(a)	What is deformation, and how does it occur in rocks ? Describe the stages of deformation.	
	(b)	Describe the different types of faults and their characteristics.	
5.	Answer the following :		14
	(a)	Explain the concept of plate tectonics and the different types of tectonic plate boundaries.	
	(b)	Explain the process of seafloor spreading and how it provides further evidence for continental drift ?	

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- 6. Answer the following :
 - Explain the concept of plate tectonics and how it relates to the formation of (a) oceanic crust and the features of the ocean floor.
 - Discuss the relationship between glacial geomorphology and human activity, (b) including the impacts of glacial retreat on water resources, agriculture, and tourism.
- 7. Answer the following :
 - What is joint in geology ? Explain the types of joints that exist. (a)
 - Define foliation and describe the different types of foliation that exist. (b)
- 8. Write a short note on :
 - Penetrative and non-penetrative lineation (a)
 - (b) Sand dunes
 - Volcanic eruptions (c)

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