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UG/5th Sem/GEOLO(H)/Pr/19

2019

B.Sc. (Honours)

5th Semester Examination

GEOLOGY

Paper - DSE 1P

(Practical)

Full Marks: 20

Time: 3 Hours

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

Set - 1

Introduction to Geophysics

Answer the following questions:

1. Plot the data in the table, find the fault plain solutions and deduce what type of fault was involved.

[Turn Over]

Azimuth	Take off angle	Sense
0	18	D
34	27	C
45	19	C
58	29	C
94	17	C
123	28	D
153	46	D
202	15	D
230	31	. D
238	29	D
247	55	C
270	19	C
311	16	C
329	46	D

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2. A large area of continent consisting of 30 km of crust with average density 2.8 Mg/m³ and over 90 km of material density 3.1 Mg/m³ is covered with ice (density 0.9 Mg/m³) 1.6 km thick and is in isostatic equilibrium. Then the ice melts. By how much has the rock surface of the continent changed

	of the asthenosphere is 3.2 Mg/m ³).	5
3.	Interpret the section given using kink axial surface and if you identify any growth strata, indicate at what level growth initiated. Is the structure is still active (Section attached)	ha
١.	Laboratory Note Book.	2
j.	Viva voce.	3

Set - 2

Earth and Climate

(Practical)

Full M	arks : 20	Time: 3 Hours
	Answer the following questi-	ons:
1.	Show the distribution of major of India on a given map.	limatic regimes of
2.	Show the distribution of major world map.	wind patterns on 5
3.	Prepare a paleogeographic map eocene and miocene time interval	
4.	Laboratory Note Book.	2
5.	Viva voce.	3