21APG2C5L

Sl. No.



M.Sc. II Semester Degree Examination, October - 2023 APPLIED GEOLOGY

Igneous Petrology

(CBCS/NEP)

Time: 3 Hours			Maximum Marks : 70	
Note	: :	Answer any five of the following questions, each question carr	ies equal marks.	
1.	Exp (a) (b)	lain the following : Rock cycle General classification of igneous rocks	14	
2.	Add (a) (b)	a note on : Magmatic differentiation and nature of silicate melts Mid oceanic ridge volcanism	14	
3.	Ans (a) (b)	wer the following : Importance of Diopside Why Fosterite is an important?	14	
4.	Disc (a) (b)	cuss the following : GIBBS phase rule and graphical representation SiO ₂ phase diagram	14	
5.	Writ (a) (b)	te a note on : IUGS classification of igneous rocks Classification of Gabbroic rocks	14	
6.	Exp (a) (b)	lain the following : Deccan basalt Importance of Kimberlite	14	
7.	Disc (a) (b)	cuss the following : Tie line Ultramafic rocks	14	
8.	Writ (a) (b) (c)	te a short note on : Anorogenic granites Mechanism of faults Igneous rocks	14	