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Sl. No.

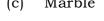
# M.Sc. II Semester Degree Examination, October - 2023

## **APPLIED GEOLOGY**

### **Metamorphic Petrology**

#### (NEP)

Time : 3 Hours		Hours Maximur	Maximum Marks : 70	
Note	e :	Answer <b>any five</b> of the following questions, each question carries <b>equal</b> r	narks.	
1.	Exp (a) (b)	lain the following : Concepts of metamorphic reactions Structure and texture of metamorphic rocks	14	
2.	Add (a) (b)	a note on : Phase rule and its applications AKF diagram	14	
3.	Ans (a) (b)	wer the following : Role of T, P and fluids in metamorphism Systematic description of regional and thermal metamorphism	14	
4.	Diso (a) (b)	cuss the following : Metamorphism of Olitic, basic-ultramafic and Calcareous rocks Metamorphism of Opiolites	14	
5.	Writ (a) (b)	te a note on : Schist and Slate Novaculite and Skarn	14	
6.	Exp (a) (b)	lain the following : Metamorphic differentiation and metasomatism Classification of metamorphic facies	14	
7.	Diso (a) (b)	cuss the following : Ocean floor metamorphism Continental collision	14	
8.	Writ (a) (b)	te a short note on : Gneiss Metamorphism Marble	14	





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