21MNP1C2L

No. of Printed Pages: 1



Sl. No.

M.Tech. I Semester Degree Examination, April/May - 2024 MINERAL PROCESSING

Petrology

(NEP)

Time: 3 Hours Maximum Marks: 70

Note: Answer **any five** of the following questions with question No. **1 (Q.1) Compulsory**. Each question carries **equal** marks.

queenen eur nec equal manne.				
1.	Explain :			
	(a)	Melting and crystallisation of magma.	7	
	(b)	Magma and magmatic process.	7	
2.	(a)	Give a detailed note on continuous and discontinuous Bowen's reaction series.	7	
	(b)	Write a note on extrusive igneous bodies.	7	
3.	(a)	Write a note on structures of igneous rocks.	7	
	(b)	Explain the Phase rule and concept of phase diagram.	7	
4.	(a)	Explain the Concept of metamorphism.	7	
	(b)	Explain Agents of metamorphism.	7	
5.	(a)	The process and factors influencing geneses of sediments.	7	
	(b)	Structures of sedimentary rocks.	7	
6.	(a)	Write a note on intrusive bodies.	10	
	(b)	Classification of igneous rocks.	4	
7.	(a)	Discuss the facies of metamorphism.	7	
	(b)	Note on sedimentary structures.	7	
8.	Ans	Answer the following:		
	(a)	Define a volcano and explain the types of volcanoes.	5	
	(b)	Phase rules and phase diagrams.	4	
	(c)	Explain the metamorphic textures.	5	