No. of Printed Pages: 1



Sl. No.

M.Sc. I Semester Degree Examination, April/May - 2024 APPLIED GEOLOGY

Mineralogy

(NEP)

Time: 3 Hours Maximum Ma			ırks : 70	
Note		over any five of the following questions with question $No.1(Q1)$ Compulsory, each question call marks.	rries	
1.	Ansv (a) (b)	wer the following : Explain the types of crystal systems and habits. Discuss the elements of crystals and symmetries.	14	
2.	Ansv (a) (b)	wer the following : Describe the physical properties of minerals. Discuss the preparation of material for thin section.	14	
3.	Ansv (a) (b)	wer the following: Describe accessory minerals present in igneous, metamorphic and sedimentary rocks. Give an account on feldspar group of minerals.	14	
4.	Ansv (a) (b)	wer the following: Explain isotropic and anisotropic minerals. Discuss the behaviour of minerals in plane polarized cross polarized microscope.	14	
5.	Add (a) (b)	a note on : Raman spectroscopy Scanning Electron Microscope (SEM).	14	
6.	Ansv (a) (b)	wer the following : Describe the electrical properties of minerals. Discuss the classification of minerals.	14	
7.	Ansv (a) (b)	wer the following : Give a detailed account on silicate structures with neat diagram. Describe the carbonate group of minerals.	14	
8.	Writ (a) (b) (c)	e a short note on : Uniaxial and biaxial minerals Halides and oxides Pleochroism	14	