No. of Printed Pages : 1

21APG3C9L

Sl. No.

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

Exploration Geology

(NEP)

Time : 3 Hours Maximum Marks			: 70
Note	?:	Answer any five of the following questions with question No. 1 (Q1) Compulsory , each que carries equal marks.	stion
1.	Ans (a)	wer the following questions : Discuss the geological criteria for mineral exploration.	14
	(b)	Explain the small and large scale geological maps, and discuss their importance in mineral exploration.	
2.	Add (a) (b)	a note on : Sampling methods used in mineral exploration Pits and underground trenches	14
3.	Ans (a) (b)	wer the following questions : Discuss the anomalies observed in water and drainage sediments. Explain the concept of geochemical dispersion patterns.	14
4.	Ans (a) (b)	wer the following questions : Describe the resistivity methods used in mineral exploration. Explain magnetic properties of rock and minerals.	14
5.	Writ (a) (b)	e a note on : Ore reserve estimation Data evaluation in exploration	14
6.	Ans (a) (b)	wer the following questions : Explain the geological prospecting methods. Explain the processes that control the mobility of elements in the surficial environment.	14
7.	Ans (a) (b)	wer the following questions : Give a detailed account on geophysical anomalies. Explain the principles of reserve estimation of mineral deposits.	14
8.	Writ (a) (b) (c)	te a short note on : Trace elements Prospecting Exploration	14

