1712N846

Candidate's Seat No :_____

B.Sc. Sem.-3 Examination

CC 202

Geology

Time: 2-30 Hours] December-2022 [Max. Marks: 70

Instructions: (i) Draw neat diagrams whenever necessary. (ii) Write proper answer number.			
Q-1		Explain twinkling, pleochroism and types of extinction with examples.	(14)
	Wilesan -	OR 1	(07)
Q-1	(a)	Refractive index of minerals with examples.	(07)
	(b)	Beck's test and its effect.	(07)
Q-2		Explain tetrahedrite of symmetry with its typical forms.	(14)
		<u>OR</u>	
Q-2	(a)	Axial characters and symmetry elements of pyrite crystal.	(07)
-	(b)	Symmetry elements and axial characters of tetragonal crystal.	(07)
	(-)		
Q-3		Discuss structures produced due to mobility of magma and lava.	(14)
Qu	0	OR	
Q-3	(a)	Physical sedimentary structures.	(07)
QJ	(b)	Structures seen in metamorphic rocks.	(07)
	(2)		
Q-4		Write explanatory note on origin, mode of occurrence and distribution	(14)
4.		of diamond deposits.	
		<u>OR</u>	
Q-4	(a)	Origin and distribution of chromite ores.	(07)
2.	(b)	t and wass of manganese ores	(07)
Q-5	(,	Attempt any seven questions out of twelve.	(14)
	(i)	Give relation between R. I. and velocity of light.	
	(iii)	Draw a stereographic projection of galena type.	
	(jii)	State the Snell's law and its importance.	
	(iv)	What are interference colours? How are they produced?	
	(v)	Draw a sketch of twinning with examples.	
	(vi	- t t t t true on cone cheet and ring dyke	
	(vii	- a land soin print	
	(vii (ix	Draw figures of pillow lava and ropy lava.	
	(X)	Write the mode of occurrence of bauxite deposits.	
	L (xi	Give mineralogy of aspestos. The role of NMDC and GMDC?	
	(Xi	i) What is the fole of family and divide:	