1		
2018 III 13	1000	Seat No. :
Time : 2½ Hours		GEOLOGY (New Pattern)
	Subject Code H 7 0 6	
Total No. of Questions : 5	(Printed Pages : 4)	Maximum Marks : 55
iii) Figuriv) Dra v) Ans in 1 vi) Ans in an vii) Ans in an viii) Ans in an viii) Ans in an in an ix) Sele que 1. A) Complete the following statement and write the	wer each question on a ures to the right indicate we neat labelled diagram wers to the questions can bout 50 words. wer to the questions can bout 50 words. wer to the questions can bout 80 words. wers to the questions can bout 120 words. ect the correct alternations and rewrite the statement by choosing the completed statement:	fresh page. If full marks. Is wherever necessary. If mark should be written If ying 2 marks should be written If ying 3 marks should be written If ying 4 marks should be written If ying 6 marks should be written
B) State the landform form	ned when two continenta	al plates diverge. [1]
C) How are Residual mou	ntains formed?	[2]



	D)	Explain in brief, how did Mariana islands originated.	[2]
	E)	Write a note on magnitude of an earthquake. OR	[2]
		Write a note on shadow zone of an earthquake.	[2]
	F)	Explain the various types of central type of volcanoes.	[3]
2.	A)	Complete the following statement by choosing the alternative given below the statement and write the completed statement: The rock surface showing displacement on either side is known as • Step Zone • Shear Zone • Fault Zone • Slickensides	[1]
	B)	State the symbolic form of the shale bed that strikes N50° W and dips 30° due NE.	[1]
	C)	With neat labelled diagram explain the formation of disconformity.	[2]
	D)	Write a note on genetic classification of Joints.	[2]
	E)	Beds of sandstone, shale and limestone are underlained by granite. State and explain the structural geological feature formed above.	[2]
	F)	With neat labelled diagram explain the following: Throw and heave Fan fold	[3]
		OR	
		 With neat labelled diagram explain the following: Horst and graben Symmetrical anticline. 	[3]
3.	A)	Complete the following statement by choosing the alternative given below the statement and write the completed statement: The index mineral which is an indicative of high grade metamorphism is Biotite Talc Hypersthene Chlorite	[1]

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	B)	State the most abundant mineral found in ultramafic igneous rock.	[1]
	C)	How does the crystallisation of minerals occur from cooling magma as per Bowens Reaction Series ?	[2]
	D)	Write short notes on : Clastic rocks Carbonate rocks.	[2]
	E)	Explain the role of temperature as an agent of metamorphism.	[2]
	F)	Explain the classification of sedimentary rocks based on their mode of accumulation.	[3]
		OR	
		Explain the classification of igneous rocks based on mineral composition.	[3]
4.	A)	Complete the following statement by choosing the alternative given below the statement and write the completed statement :	[1]
		The emergence of land plants occurred during	
		Paleogene period	
		Cambrian period	
		Silurian period	
		Carboniferous period	
	B)	What is the term used in stratigraphy for matching the rock stratas with reference to their ages from different places?	[1]
	C)	"Shale bed is overlained by Sandstone, and Limestone in a sedimentary basin and intruded by a pegmatite dyke". State and explain the principle of stratigraphy.	[2]
	D)	State the classification of Dharwar, Cuddapah and Vindhyan Supergroups.	[3]
	E)	Explain the various modes of preservation of fossils.	[4]

P.T.O.



5.	A) Complete the following statement by choosing the alternative given below statement and write the completed statement:	the
	The metals that are mined from the Zawar area of Rajasthan are • Fe and AI • Cu and Zn • Pb and Zn • Fe and Mn	_ [1]
	B) What is the term used for rocky material found in association with ores?	' [1]
	C) How is coal formed?	[2]
	D) Explain the following :Syngenetic depositsFissure veinsSaddle reefs.	[3]
	 E) Explain the following : • Magmatic segregations • Indian distribution of chromium ores. OR	[4]
	Explain the following :Magmatic disseminationsIndian distribution of Aluminium ores.	[4]

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