		[Time: Three Hours]	[ Marks:100]
	N.B:	Please check whether you have got the right question paper.  1. All questions are compulsory.  2. Draw neat diagrams wherever necessary.	
Q1	Fill in the i)	the blanks.  drainage pattern develops over a conical hill.  drainage pattern develops if the streams are flowing towards lake.	10
	iii)	Salt weathering or salt wedging is a type of weathering.	
	iv)	Yardangs form as a result of erosion.	
	v)	Elongated, sinuous ridge deposited as a result of glacial activity is called as	
	vi)	A costal landform where a sea arch gets eroded to a vertical pillar like feature, is called as	
	vii)	A conical depositional feature on the floor of the underground karst cave is called as	
	viii)	A ratio is the ratio of number of stream s of lower order to number of streams of higher order in a basin.	
,	ix)	A landform having one slope with gentle angle and other with steep angle is identified as	
	<b>x</b> )	An imaginary line joining points of equal elevation is called as	
Q1B	i) ii) iii) iv) v) vi) vii) viii)	he following: Exfoliation Caldera lake Tephra Lahars Ventifacts Bajada Arete Hogback Projected profile	10
	ix) x)	Projected profile  Mesa	

54445 Page **1** of **2** 

## Paper / Subject Code: 79542 / Geology: Paper III

Q2	<ul> <li>Answer any Two of the following.</li> <li>a) Write a note on various types of volcanoes.</li> <li>b) Write a note on formation of corestones, rills and duricrust.</li> <li>c) Give an account of relationship between drainage patterns and lithology/structure citing suitable examples.</li> <li>d) Describe various types of methods used in dating of materials.</li> </ul>	20
Q3	<ul> <li>Answer any Two of the following.</li> <li>a) Describe various types of aeolian erosional landforms.</li> <li>b) Write a note on various glacial depositional landforms.</li> <li>c) Describe various types of poljes formed in karst landforms.</li> <li>d) Write a note on various coastal depositional landforms.</li> </ul>	20
Q4.	<ul> <li>Answer any Two of the following.</li> <li>a) Differentiate between spur and saddle. Draw and explain their topographic profiles.</li> <li>b) Write a note on various types of landform profiles used in topography.</li> <li>c) Describe various types of a stream ordering schemes with suitable examples.</li> <li>d) Explain the relationship between the storm hydrograph response and various basin shapes.</li> </ul>	20
Q5	Write a note on any <b>Four</b> of the following.  a) Landforms associated with acidic volcano b) Meandering streams c) Parabolic and barchan dunes d) Dolines and its types e) Drawback of any stream ordering scheme f) Any two laws of drainage basin geometry	20

54445 Page **2** of **2**