F 9



QP Code: 5196

REVISED COURSE

3 Hours

Total marks: 80

- N.B. 1. Question No. 1 is compulsory.
 - 2. Attempt any three questions out of remaining five questions.
 - 3. Draw neat labeled diagrams wherever necessary.
 - 4. All the parts of a question should be grouped together.
 - 5. Figures to the right indicate marks.

1.	A.	Explain the following terms in short	10
	i)	Sial and Sima	
	ii)	Talus slope	
	iii)	Geological agents	1
	iv)	Loess	
	v)	Rock forming minerals	
	vi)	Intrusive igneous rocks	
	vii)	Geological structures	
	viii)	Order of superposition	
	ix)	Core loss	
	x)	Sources of groundwater	
	B.	Name the following :-	05
	i)	Two minerals have chemical composition C.	
	ii)	Two minerals show Lamellar form.	
	iii)	Mineral has purple colour and absence of cleavage.	
	iv)	Two minerals have high specific gravity.	
	· v)	Two minerals feel soapy	
	C.	Name the structure of the rock with example	05
	i)	The rock shows parallel alternate arrangement of equidimentional minerals	
		and platy minerals.	
	ii)	The rock shows amygdals.	
	iii)	The rock shows three sets of joints.	
	iv)	The rock shows layered structure where thickness of the bed is less than one	
		cm.	
	v)	The rock/deposite shows spherical grains whose dimention upto 2 mm.	
2.	i)	Describe various products of volcanoes.	05
	ii)	Describe various precautionary measures during construction in the	05
		earthquake prone areas.	
1	iii) '	Explain the geological action of river with various landforms.	10
		The state of the s	
3.	i) S	Write different textures of igneous rock with examples.	10
	ii)	Which geological structures are suitable and unsuitable for tunnel constrution	10

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4.		i) .	Explain physiographic divisions of India with economic importance.	05
		ii)	How is unconformity formed ? Explain Disconformity.	05
		iii)	State the importance of geological investigation. What is core logging and	05
			RQD?	
		(vi	Explain different types of spring.	05
	٠.			
5.		i)	What are the parts of fault?	04
		ii)	Explain the geological and engineering properties of building stones. State the uses of building stones with examples.	80
		iii)	Describe the different types of landslide. Give recent examples.	080
				KY.
				2
6.			Write short notes on (any four)	4x5
		i)	Pedestal rock	
		ii)	Glacial valley and hanging valley	
		iii)	Overturned fold and fan fold	
		.iv)	Dome and basin	
		v)	Gravity fault and reverse fault	
		vi)	Ripple marks and cross bedding	
		vii)	Cone of depression	
		viii)	Thermal metamorphism	
		ix)	Physical weathering with examples	
	1	x)	Whale back form and drumlins	