OLD COURSE

QP Code: 28772

(3) Hours

Total Marks: 100

N.B.	1. Question No. 1 is compulsory		
	2. Attempt any 4 questions out of remaining	6 questions.	
	3. Draw neat labelled diagrams wherever ne	ecessary.	رى رى
	4. All the parts of a question should be grou	ped together.	`
	5. Figures to the right indicate marks	65.12	
		30	
1. (i)	Write the identifying properties and economi	c use of the following minerals. (b) Corundum (d) Biotite Mica	5
	(a) Flourite	(b) Corundum	
	(c) Hematite	(d) Biotite Mica	
	(e) Orthoclase Feldspar	OITIO'	
(ii)	Define the following terms.		5
	(a) Stratigraphy	(b) Dip	
	(c) Streak of mineral	(d) Weathering	
	(e) Water Table	(b) Dip (d) Weathering	
(iii)	Answer the following-		5
	(a) What is Petrology?		
	(b) Name the mineral whose composition is	CaSO₄.2H₂O	
	(c) What is Perched Water Table?		
	(d) What is a strike-slip fault?		
	(e) What is a confined aquifer?		
	A TOWN	• , •	
(iv)	Which geological agent is responsible for th	e formation of the following landforms-	5
	(a) Mordines	(b) Pedestal rock	
	(c) Alluvial fan	(d) Ox-bow lake	
	(e) Cirque		
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GE-Con. 11441-16

[TURN OVER

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2. (i) What is texture? Write various textures of	igneous rocks.	10
(ii) What are agents of metamorphism? Desc	ribe various types of metamorphism.	10
3. (i) Write a note on mechanical weathering of	rocks	5
(ii) What is unconformity? Describe Nonconfo	ormity.	5
(iii) What is a tunnel? Discuss the favourable	and unfavourable geological structures for Tunnel	10
construction.		70,2.
	<u></u>	3
4. (i) Describe various types of folds in the roc	ks.	10
(ii) Describe structures in sedimentary rocks		6
(iii) Give Causes of landslides and their preven	and unfavourable geological structures for Tunnel ks. ntive measures roup and its economic importance.	4
5. (i) Describe the stratigraphy of Gondwana g	roup and its economic importance.	10
(ii) Describe the seismic method of geophys	ical investigation?	5
(iii) What is RQD? Explain its significance.	·	5
6. (i) Differentiate between any 5 of the follow	ing-	1x5=20)
(a) Central eruption and fissure eruption	ical investigation?	
(b) Weathering and erosion		
(c) Seismogram and seismograph	p'	
(d) Normal Fault and Reverse Fault	•	
(e) Aquifer and aquiclude		
(e) Aquifer and aquiclude (f) Sill and Dyke		
7. Write short notes on any 5 -		4x5=20)
(a) Gravity coam	(b) Internal structure of earth	
(c) Hanging valley	(d) Importance of geology in civil engineering	
Building stones	(f) Zones of ground water	14
AZ		

GE-Con. 11441-16