

18CV36

(06 Marks)

(04 Marks)

Max. Marks: 100

	N	ote: Answer any FIVE full questions, choosing ONE full question from each mo	dule.	
		Module-1		
1	a.	Explain briefly the Internal structure of the Earth.	(08 Marks)	
	b.	Explain the role of Geology in the field of Civil Engineering.	(08 Marks)	
	c.	Name the different branches of Geology which are related to Civil Engineering.	(04 Marks)	
		OR		
2	a.	Define a Mineral. Briefly explain the physical properties of a Mineral.	(12 Marks)	
	b.	Describe any two of the following Minerals:		
		i) Quartz ii) Hematite iii) Pyrite iv) Mica.	(08 Marks)	
		Module-2		
3	a.	Explain the different forms of Igneous Rocks with neat sketches.	(12 Marks)	
-	b.	Enumerate the classification of Igneous Rocks.	(08 Marks)	
	٥.		,	
		OR		
4	a.	What is Sedimentation? Explain the Primary Sedimentary structures, with neat ske	etches.	
	77.7		(10 Marks)	
	b.	What is Metamorphism? Explain the different kinds of Metamorphism with exam	ple.	
			(10 Marks)	
		Module-3		
5	a.	Define the terms Dip, Strike and Outcrop.	(06 Marks)	
	b.	Explain with a neat sketch, Mural Joints and Calumnar Joints.	(06 Marks)	
	c.	What are Folds? Explain briefly the different types of folds with neat sketches.	(08 Marks)	
		OR		
6	a.	What are Faults? Name different types of faults. What are the Engineering consider		
	de la constante	faults in the Civil Engineering Projects?	(10 Marks)	
	b.	What are the factors considered for the selection of site for dams and reservoirs?	(10 Marks)	
		Module-4		
7	a.	Explain the vertical distribution of ground water with a neat sketch.	(10 Marks)	
	b.	Define Aquifer. Explain briefly the different types of Aquifer, with a neat sketch.	(10 Marks)	
		As from		
OR				
8	a.	Explain the ground water exploration by Electrical Resistivity method.	(10 Marks)	
	b.	Define the terms :		
		Democity iii) Democability iii) Transmissibility	(06 Marks)	

iii) Transmissibility.

i) Porosity ii) Permeability

Write short note on Flood control.

Module-5

9	a.	What are Earthquake? Add a note on causes and effects of Earthquake.	(10 Marks)
	b.	Write short notes on:	
		i) Tsunami – causes and effects.	
		ii) Landslides – Causes and remedial measures. CMRIT LIBRARY	(10 Marks)
		BANGALORE - 560 037	
		OR	
10	0	What is Demote Sensing? What are its application in Civil Engineering?	(08 Marks)

a. What is Remote Sensing? What are its application in Civil Engineering?
b. What is GIS? Name the different components of GIS.
c. What are the applications of GPS in Civil Engineering?
(06 Marks)
(06 Marks)