		s secondo savas se		
	Roll No. :		Total	Printed Pages : 2
	3	E1453	e e	*
	B.Tech. (Sem. III) (Mair Civil Engg.		nation,	January - 2012
	3CE3 Engineering Geo	logy	,	
Tin	ne : <b>3</b> Hours]		[Min. F	[Total Marks : <b>8</b> 0 Passing Marks : <b>2</b> 4
Ins	structions to Candidates		ė	
	Attempt any five question unit. All questions carry entered be shown wherever necessed be assumed and stated clearly.  The of following supporting materials and in form No. 205)	equal marks. Sary. Any data arly. Units of qu	Schemati you feel uantities	c diagrams must missing suitably used/calculated
` 1	Nil .	2.	a *	Nil
a a	τ.	INIT – I		
1	Describe geological work diagrams.	of rivers in o	detail us	ing appropriate
		OR		16
1	Write notes on the follows			
	(a) Internal structure of			
	(b) Geological Time Scal	e.	8-	0.0
13		2		8+8
10	<b>U</b>	NIT - II	i.	
2	Describe classification of I	gneous rocks.		
35		<b>OP</b>	**************************************	16
2	Describe texture, mineral of the following rocks.	OR ogy, origin and	l engine	ering properties
(8)	<ul><li>(a) Granite.</li><li>(b) Marble.</li></ul>	40		N. J.

Sand stone.

(c)

## UNIT - III

- 3 (a) Describe electrical resistivity method and its application in civil engineering projects.
  - (b) Describe various types of joints.

10+6

# OR

- 3 Write short notes of the following.
  - (a) Reclined fold.
  - (b) Thrust fault.
  - (c) Nonconfirmity.
  - (d) Horst and Graben.

4+4+4+4

# UNIT - IV

4 Discuss various geological investigations for site selection of Reservoirs and also suggest site improvement methods.

16

# OR

- 4 (a) Describe geological considerations adopted for construction of Bridges.
  - (b) Discuss possible reasons of Chambal river single span bridge failure.

10+6

# UNIT - V

5 Describe the role of remote sensing in the exploration of minerals.

16

# OR

5 Describe satellite imageries and their application in Civil Engineering projects.

16