## ADAQ QAMEMIE

								U	(فار	79	Ol		5W	15						
USN																×		1	7CV/CT3	5
		Th	ird	Sei	me	ste	r B	.E.	Deg	gree	Exa	ami	nati	on,	Dec	.201	8/J	an.20	)19	
								Eng	gin	eei	ring	j G	eo	logy	/		4			
Time: 3 hrs.																	Max. Marks: 100			
	N	ote:	Ansı	ver a	iny .	FIV	E fi	ull qu	iesti	ions, d	choos	sing	ONE	full q	uest	ion f	rom e	each n	nodule.	
									_{						1					
1	a.	Des	scrib	e the	role	e of	geo	logy	in th		Moc vil En			Proje	cts				(06 Marks	(2
	b.															e EA	RTH	[	(06 Marks	
<ul><li>b. With neat sketch, explain the different zones of the inter</li><li>c. Define a mineral with examples. Describe the following</li></ul>																	7			
		i)	Lus	tre	i	i)	Cle	avag	e.				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	·					(08 Marks	3)
						4	1					1	4							
2	Do	aarib	a ha	+la	a m1		001				OR		# 41 :	! 1	4: C -	41	- C	1	1 C	11
2		th ex			e pi	iysi	cai	prope	rue	s are	neipi	ui in	tnei	r iden	шпса	ation	oi m	inerai	s in the fiel	
	** 1	III CA	umpi	<b>C</b> 3.	Úþ.					.4	1								(20 Marks	5)
										M	odu	le-2		Dig.						
3	a. What are Rocks? Based on their origin, how the rocks have been classified and how are they																			
			ned v					. 4	1								- 74		(04 Marks	s)
														igneo				7	(08 Marks	s)
	C.		Gran		ii)			their stone		logica	-	A COLUMN	es an	d add	their	eng	ıneeri	ng use		`
		1) \	Jian	ItC	11)	30	anu	Stone		111)	iviaiu	ne.				1	je.		(08 Marks	S)
						4					OR	37			4	*				
4	W	hat a	re fol	lds?	Hov	v ar	e th	ey ca	usec	d? Wi	th ne	at sk	etch,	ment	ion t	he pa	arts of	f the f	old. Describ	oe.
	the	dif	feren	it ty	pes	of	fo	lds v	vith	figu	res.	Also	ado	d a 1	note	on	their	civil	engineerin	ıg
	CO	nside	ratio	ns.					6					4					(20 Marks	s)
			ę	Sau	P.				A.	7	r	1. 2		Pay						
5	a.	Wh	at ic	Wea	ther	ina	2 De	ecrib	e th		lodu		nd oh	omio	1 1110	othor	ina		(10 Mayle	(۵
5	<ul><li>a. What is Weathering? Describe the mechanical and chemical weathering.</li><li>b. Give detailed account of geological work done by rivers.</li></ul>														(10 Mark (10 Mark					
			*					8.0	811		,,,,,	77	, , , , ,	<b>0</b> 15.					(10 IVILIA	3)
		Ž.				(4					OR									
6	a.							? Des	scrib	e the	tecto	onic	cause	es of	earth	quak	e and	l write	e note on the	
	1.		cts c					1 1	11.1	(See	7								(10 Mark	5
	b.				. 40			lands		s. orms.									(05 Mark	
	U.	VVI	ic UI	10111	UIC	OII (	Juas	iai id	IIU I	UIIIIS.									(05 Mark	SI

- Module-4
  Define Ground water. Describe the hydrological cycle. Explain the factors influencing the surface runoff and infiltration.
  - Discuss the ground water survey by Electrical Resistivity method, with a circuit diagram.

(10 Marks)

- 8 Write notes on:
  - a. Water table and perched water table.
  - b. Aquifer and its types.
  - c. Specific yield and retention.
  - d. Porosity and Permeability.

(20 Marks)

## Module-5

- 9 a. What is Remote Sensing? Write its application in Civil Engineering. (08 Marks)
  - b. What is Geographical Information System? Name the different components of Geographical Information System. (06 Marks)
  - c. Write a note on Application of Global Positioning System (GPS) in Civil Engineering.

(06 Marks)

## OR

- 10 Write a note on:
  - a. Impact of Mining, Quarring on Environment.

(10 Marks)

b. Natural disasters and their mitigation.

(10 Marks)