ADAR RAMEME

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1	a.	Des	cribe	the	role	of g	geolo	ogy ii	the	Civil	Engine	ering 1	Projec	ts.				(06 Marks)
	b.	Witl	n nea	t ske	tch,	exp	lain	the c	liffer	ent zo	nes of	the int	erior o	of the	EAR7	ГΗ.		(06 Marks)
	C.	Defi	ne a	mine			exa	mple	es. D	escrib	e the fo	ollowir	ng phy	sical 1	proper	rties o		nerals:
		i)	Lust	re	ii)		Clea	vage	•			A. Y						(08 Marks)
					6		P			(OR A							
2	De	scribe	e hov	v the	ph	ysic	al p	roper	ties			n their	ident	ificati	on of	mine	rals i	n the field
	wi	th exa	mple	s.				1			* Y							(20 Marks)
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3	a.	form	ned w	rith e	KS!	Das mle	ea o	n tne	ir or	igin, n	iow the	rocks	have	been (classii	fied ai		w are they
	b.							ches	desc	cribe t	he form	ns of i	oneou	s rock	Q A			(04 Marks) (08 Marks)
	c.	Des	cribe	any	two	roc	ks th	neir g	eolo	gical p	ropert	ies and	l add t	heir e	ngine	ering	uses :	(00 Marks)
		i) (Franit	e	ii)			one		i) Ma		* * * * * * * * * * * * * * * * * * *						(08 Marks)
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7	the	diff	erent	tvr	iow ies	of	fold	y cau	ith 1	figures	Heat Si	eicii, i add	menuc	on the	parts n the	or the	e ioio	d. Describe ngineering
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_			\mathbb{Z}	y					7	Mod	lule-3	, Y						
5	a.	Wha	it is \	Veat	heri	ng?	Des	cribe	the	mecha	nical a	nd che	mical	weath	nering	·		(10 Marks)
	b.	Give	deta	mea	acc	ouni	. 01 §	geoio	gical	I work	done l	y rive	rs.					(10 Marks)
		7					•			()R							
6	a.	Wha	it is	an E	arth	qual	ke?	Desc	ribe			causes	s of ea	arthqu	ake a	nd w	rite n	ote on the
		effec	cts of	eart	hqu	akes	5.		- 93					•				(10 Marks)
	b.							ındsli		20								(05 Marks)
	C.	Writ	e bri	et no	ite o	n cc	asta	ıl lan	d for	ms.								(05 Marks)
							ė		9	Mod	lule-4							
7	a.	Defi	ne G	roun	d w	ater	. De	escrib	e the			al evel	le. Ex	olain	the fa	ctors	influ	encing the
		surfa	ace ru	ınoff	and	linf	iltra	tion.										(10 Marks)
	b.	Disc	uss t	he gr	oun	d w	ater	surve	ey by	Elect	rical R	esistiv	ity me	thod,	with a	a circu	uit di	agram.
																		(10 Marks)

OR

- 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)