## III B. Tech I Semester Supplementary Examinations, May -2019 ENGINEERING GEOLOGY

(Civil Engineering)

	Time: 3	hours	Max. Marks: 70
		Note: 1. Question Paper consists of two parts ( <b>Part-A</b> and <b>Part</b> 2. Answering the question in <b>Part-A</b> is compulsory 3. Answer any <b>THREE</b> Questions from <b>Part-B</b>	t-B)
		<u>PART –A</u>	~~~
1	a)	What is the importance of physical geology?	[3M]
	b)	What is erosion?	[3M]
	c)	What are the types of forms?	[4M]
	d)	What is water table?	[4M]
	e)	What are the parameters, principle in electrical methods?	[4M]
	f)	What are the causes of landslides?	[4M]
		<u>PART -B</u>	
2	a)	What is weathering?	[4M]
	b)	Explain the process of weathering.	[8M]
	c)	What are the geological agents?	[4M]
3	a)	What is metamorphism?	[3M]
	b)	Explain the types of metamorphism, based on temperature, preschemical active fluids.	ssure and [8M]
	c)	What is structure of metamorphic rock?	[5M]
4	a)	Define the term strike, dip and outcrop.	[6M]
	b)	What are the parts of faults? Give their types of faults with sketches.	[10M]
5	a)	What are the types of earthquakes? Give their details.	[8M]
	b)	Explain the construction of building in earthquake prone areas.	[8M]
6	a)	What are the branches of geophysics?	[6M]
	b)	Explain the civil engineering importance of electrical resistivity management profiling and sounding.	
7	a)	What are the purposes of tunnels?	[6M]
	b)	Explain the association of geological structures for successful tunnelin	ng. [10M]
		- ******	

\*\*\*\*