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Cod	e No: RT31014 (R13) (SET	' - 1
	III B. Tech I Semester Supplementary Examinations, May - 2018 ENGINEERING GEOLOGY	
Tim	e: 3 hours (Civil Engineering) Max. Mar	ks: 70
	Note: 1. Question Paper consists of two parts (Part-A and Part-B)	
	2. Answering the question in Part-A is compulsory	
	3. Answer any THREE Questions from Part-B	
a)	Define weathering? What is the role of oxidation in weathering of rocks?	[4M
b)	What is meant by cleavage? What are their different types?	[3M
c)	What are the problems of faults in civil engineering works?	[3M
d)	Define confined and unconfined aquifers.	[4M
e)	Write applications of magnetic method	[4M
f)	What is the influence of geology for life of reservoirs?	[4M
	PART -B	
a)	Describe the process of rock weathering?	[5M
b)	Explain effects and importance of weathering of rocks with reference to civil engineering.	[5M
c)	Discuss the geological work of river? Give the depositional landforms made by rivers.	[6M
a)	What is texture of a rock? Discuss the various types of textures in sedimentary rocks.	[6M
b)	What is meant by rock cycle and how does it represents the sequence of formation.	[4M
c)	Describe the petro graphic characters of i) Conglomerate ii) Basalt iii) Limestone	[6M
a)	Classify and describe the different types of faults in rocks and explain how they are recognized in the field?	[8M
b)	Classify and describe different types of joints in rock with neat sketches.	[8M
a)	What are landslides? What are their causes? How landslides can be prevented?	[8M
b)	Write short note on i) cone of depression ii) geological controls of ground water movement.	[8M
a)	Describe the seismic wave refraction method for two layer case with horizontal interface.	[8M
b)	What are the advantages and uses of geophysical prospecting and explain gravity method of geophysical prospecting.	[8M
a)	What is tunnel? Explain its types, what are their advantages.	[8M
b)	Discuss geological considerations for a successful reservoir site.	[8M
