



**ACE**  
Engineering College  
(with a Difference in Excellence)

An AUTONOMOUS Institution



Question Paper Code:

CE302PC

ACE-R20

**Semester End Examination**  
**II B. Tech- I Semester- MARCH-2022**  
**ENGINEERING GEOLOGY**  
**(CIVIL Engineering )**

Time: 3 Hours

Max. Marks: 70

H. T. No

*Answer any 5 Questions out of 8 Questions from the following*

Q.No	Question	Marks
1. a)	Describe the role of geology in Civil Engineering projects.	7
b)	What is weathering? Describe effects of weathering on properties of rocks in detail.	7
2. a)	List the physical & chemical properties of Quartz.	7
b)	List the physical & chemical properties of Biotite.	7
3. a)	Write a short note on classification of rocks.	7
b)	Write a short note on properties of rocks.	7
4. a)	Explain the parts of a fault with neat sketch	7
b)	Write a short note on strike & dip.	7
5. a)	Explain in detail about the distribution of soils in India.	7
b)	What do you know about cone of depression?	7
6. a)	Write a short note on classification of Geophysical investigations.	7
b)	What are the different causes of landslides?	7
7. a)	Explain briefly about electrical resistivity method.	7
b)	What are the methods to control the silting of reservoir?	7
8. a)	What are the effects of tunneling on the ground?	7
b)	Write a short note on types of dams.	7