

ANURAG Engineering College

(An Autonomous Institution)

II B.Tech I Semester Supplementary Examinations, Jan/Feb-2024

ENGINEERING GEOLOGY

(CIVIL ENGINEERING)

Time: 3 Hours**Max. Marks: 75****Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. Define physical geology?	CO1	L1	2M
2. Discuss the physical properties of hornblende?	CO1	L2	3M
3. Distinguish dyke and sill?	CO2	L2	2M
4. What are the textures of Sedimentary Rocks?	CO2	L1	3M
5. Define Out Crop?	CO3	L1	2M
6. Distinguish between Unconformity and Conformity?	CO3	L2	3M
7. Write the applications of electrical resistivity methods?	CO4	L1	2M
8. Distinguish between Dam and Reservoir?	CO4	L2	3M
9. Define the term Cone of depression?	CO5	L1	2M
10. What are the effects of Tunneling?	CO5	L1	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Explain the importance of Geology in terms of Civil Engineering point of view?	CO1	L2	10M
OR			
B) Explain the physical properties of following Economic minerals. i) Pyrite ii) Bauxite	CO1	L2	10M
12. A) Explain the classification of Igneous rocks along with their geological properties?	CO2	L3	10M
OR			
B) Explain the classification of Metamorphic rocks along with their geological properties?	CO2	L3	10M
13. A) List out the different types of Unconformities and explain any three of them with neat sketch?	CO3	L3	10M
OR			
B) List out the different types of Joints and explain and explain them with neat sketch?	CO3	L2	10M
14. A) Write the special importance of Electrical resistivity method & seismic refraction method?	CO4	L3	10M
OR			
B) Illustrate the Types of Dams and geological considerations selection of dam site?	CO4	L2	10M
15. A) Point out the effects of Tunneling & lining in tunnels?	CO5	L3	10M
OR			
B) Explain the causes, effects and preventive measures of Landslides?	CO5	L3	10M

