ANURAG Engineering College

(An Autonomous Institution)

II B.Tech I Semester Supplementary Examinations, June/July-2024

ENGINEERING GEOLOGY (CIVIL ENGINEERING)

Time: 3 Hours May Marks: 60					
		<u>Max. Marks: 60</u>			
Section – A (Short Answer type questions) Answer All Questions		-		0 Marks)	
Allswe	An Questions	Course	B.T	Marks	
1	What is the difference between structural geology and petrology?	Outcome	Level	43.5	
2	List the classification of weathering.	CO1	L2	1M	
3		CO1	L1	1M	
4.		CO2	L1	1M	
5.	Differentiate between fold and fault.	CO2 CO3	L2	1M	
6.	TOTAL TOTAL STATE TOTAL	CO3	L2	1M	
7.		CO3	L2	1M	
8.		CO4	L1	1M	
9.	List the various types of dams.	CO4	L1 L1	1M	
10.		CO5	L1 L2	1M	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	003	L2	1M	
Section B (Essay Questions)					
Answer all questions, each question carries equal marks.			$(5 \times 10M = 50M)$		
11. A)		(5)	ZX TUIVI	10M	
	Engineering constructions due to neglecting the importance of	CO1	L2	10101	
	geological considerations.	001			
	OR				
B)	Explain the importance of weathering on tunnels and dams.	CO1	L2	10M	
				101/1	
12. A)	What is the importance of study of minerals? Describe the physical	CO2	т о	10M	
	properties of i) Quartz ii) Biotite iii) Bauxite iv) Calcite	CO2	L2		
70)	OR				
B)	Describe the geological classification of rocks.	CO2	L2	10M	
12 4	111				
13. A)	Illustrate different types of fold and faults with relevant sketches.	CO3	L2	10M	
B)	OR				
(۵	Describe different types of ground water springs and aquifers.	CO3	L2	10M	
14. A)	What are the causes and affords of landalides What are the				
17.11)	What are the causes and effects of landslides. What are the	CO4	L2	10M	
	measures to be taken to prevent their occurrence. OR				
B)	Explain how the sub-surface features can be studied with the help of			407.5	
2)	i) Magnetic and electric methods.	COA	T 0	10M	
	ii) Radio metric and geothermal methods.	CO4	L2		
)				
15. A)	Mention the purpose of tunneling also its effects on the ground.			101/4	
,	Discuss the role of geological considerations in tunneling works.	CO5	L2	10M	
	OR				
B)	Explain how the geological factors influence about water tightness	CO5		10M	
•	and life of reservoirs.	003	L2	1 01/1	