

ANURAG Engineering College

(An Autonomous Institution)

III B.Tech II Semester Supplementary Examinations, December-2024

CONSTRUCTION MATERIALS

(COMMON TO ECE & CSE)

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

	Course Outcome	B.T Level	Marks
1. What are the qualities of good building stones?	CO1	L1	2M
2. Write different classification of stones and their uses.	CO1	L1	3M
3. What is the chemical composition of Portland cement?	CO2	L1	2M
4. Write short notes on lime.	CO2	L1	3M
5. What is the manufacturing process of concrete?	CO3	L1	2M
6. What are the factors affecting fresh concrete and how do these factors affect fresh concrete?	CO3	L1	3M
7. How can the quality of timber be checked?	CO4	L1	2M
8. How is bitumen manufactured?	CO4	L1	3M
9. Write a short note on sealant for joints?	CO5	L1	2M
10. Write a short note on refectories.	CO5	L1	3M

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

11. A) Enumerate the various properties of good building stones in relation to their structural requirements.	CO1	L3	10M
OR			
B) Discuss the characteristics of first-class building clay bricks and indicate how they are influenced by the nature of clay used.	CO1	L3	10M
12. A) Explain briefly various methods of manufacture of lime.	CO2	L3	10M
OR			
B) Describe how to test the quality of cement at the construction site.	CO2	L3	10M
13. A) Explain the factor effecting workability of concrete.	CO3	L3	10M
OR			
B) What are the factors that influence the strength of cement concrete? Explain Briefly.	CO3	L3	10M
14. A) Explain the qualities of a good timber.	CO4	L3	10M
OR			
B) Write briefly about manufacturing process of Steel and Aluminum.	CO4	L3	10M
15. A) Explain about Galvanized Iron, Fiber – Reinforced Plastics.	CO5	L3	10M
OR			
B) Illustrate manufacturing process of glass and list out various types of glasses and its uses.	CO5	L3	10M