

ANURAG Engineering College

(An Autonomous Institution)

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

CONSTRUCTION MATERIALS

(COMMON TO EEE & 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. Define deterioration and write a short note on prevention of stone work?	CO1	L1	3M
3. What is the chemical composition of Portland cement?	CO2	L1	2M
4. Define bulking of sand?	CO2	L1	3M
5. Write a short note on RMC?	CO3	L1	2M
6. Define concrete and list out ingredients of concrete	CO3	L1	3M
7. Define as follows plywood and veneers	CO4	L1	2M
8. How is bitumen manufactured?	CO4	L1	3M
9. What ceramics are used for building houses?	CO5	L1	2M
10. Write a short note on composite materials and its use.	CO5	L1	3M

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

11. A) What are the qualities of good building stones? Discuss them?	CO1	L3	10M
OR			
B) Describe briefly the tests to which bricks may be put before using them for engineering purpose.	CO1	L3	10M
12. A) Describe in detail how lime mortar is manufactured?	CO2	L3	10M
OR			
B) Explain any two-laboratory test for cement?	CO2	L3	10M
13. A) Explain the factor effecting workability of concrete	CO3	L3	10M
OR			
B) List out the importance of concrete curing.	CO3	L3	10M
14. A) Illustrate Timber and a short note on market form of 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