

ANURAG Engineering College
(An Autonomous Institution)
II B.Tech. I Semester Regular Examinations, Jan/Feb-2024
BUILDING MATERIALS, CONSTRUCTION AND PLANNING
(CIVIL ENGINEERING)

Time: 3 Hours

Max. Marks: 60

Section – A (Short Answer type questions)		(10 Marks)		
Answer All Questions		Course Outcome	B.T Level	Marks
1.	How will you classify the fly ash?	CO1	L1	1M
2.	What is the necessity of steel?	CO1	L1	1M
3.	Discuss the bogue's component of cement?	CO2	L2	1M
4.	What is the role of gypsum in cement?	CO2	L1	1M
5.	What is the purpose of lintels?	CO3	L1	1M
6.	List out the fire-resistant materials?	CO3	L2	1M
7.	Elaborate the grade of concrete?	CO4	L2	1M
8.	What is mean by underpinning?	CO4	L2	1M
9.	What are the roles of sustainability in construction?	CO5	L1	1M
10.	Brief about principles of planning?	CO5	L2	1M

Section B (Essay Questions)

Answer all questions, each question carries equal marks.		(5 X 10M = 50M)		
11. A)	Explain the different types of bricks and manufacturing process?	CO1	L2	10M
OR				
B)	Explain the types and characteristics of plastics?	CO1	L3	10M
12. A)	Explain in details about cement hydration process and its merits and demerits?	CO2	L3	10M
OR				
B)	Explain in detail about any two mineral admixtures?	CO2	L2	10M
13. A)	Explain the different size and materials types used for doors and windows?	CO3	L2	10M
OR				
B)	Explain in detail about the acoustic design and characteristics?	CO3	L3	10M
14. A)	Explain the different types of stone masonry?	CO4	L3	10M
OR				
B)	Explain the requirements and standards to be followed while designing of formworks?	CO4	L2	10M
15. A)	Explain the different classification buildings?	CO5	L3	10M
OR				
B)	Explain the major factors to be consider while selection of site for construction of buildings?	CO5	L3	10M