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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations - March 2026

Date: 11-03-2026

Time: 09:30am - 11:00am

School: SOE	Program: B.Tech (Civil Engineering)		
Course Code: CIV2100	Course Name: Building Material and Concrete Technology		
Semester: II	Max Marks: 50	Weightage: 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	24	26			

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	What is meant by dressing and seasoning of stones?	2 Marks	L1	C01
2	Write any four applications of bricks.	2 Marks	L1	C01
3	List the uses of hollow concrete blocks.	2 Marks	L1	C02
4	What is meant by dry process and wet process in manufacturing process of cement?	2 Marks	L1	C02
5	What is the role of Lime and silica in cement?	2 Marks	L1	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the characteristics of good building stones and their significance in construction.	10 Marks	L2	C01
Or					
7.	a.	Describe the manufacturing process of bricks.	10 Marks	L2	C01

8.	a.	Summarize the advantages and disadvantages of AAC blocks.	10 Marks	L2	C01
Or					
9.	a.	Explain the physical properties of aggregates.	10 Marks	L2	C01

10.	a.	What is meant by grading of aggregates and explain the procedure of sieve analysis of aggregates.	10 Marks	L2	C02
Or					
11.	a.	Briefly explain the different grades of ordinary Portland cement.	10 Marks	L2	C02

12.	a.	Explain the physical properties of cement.	10 Marks	L2	C02
Or					
13.	a.	Discuss the properties and effects of Fly Ash and Silica Fume as mineral admixture on concrete.	10 Marks	L2	C02