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	Reg. No.:
	Question Paper Code: 20320
	B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2022.
	Third/Fourth Semester
	Civil Engineering
	CE 8391 — CONSTRUCTION MATERIALS
	(Common to Environmental Engineering)
m.	(Regulations 2017) Maximum: 100 marks
Tin	ne: Three hours Maximum: 100 marks Answer ALL questions.
	The state of the s
	PART A — $(10 \times 2 = 20 \text{ marks})$
1.	Classify bricks.
2.	Write the applications of light weight concrete blocks. What is meant by hydration of cement?
3. 4.	Recall grading of aggregate.
5.	List the manufacturing process of concrete.
6.	Write the methods in compaction of concrete.
7.	What are the market forms of timber?
8.	Say the types of steel used in building construction.
9.	What is meant by composite materials?
10.	Write the use of fiber textiles.
	PART B — $(5 \times 13 = 65 \text{ marks})$
11.	(a) Explain any two tests on stones.
	Or
	(b) Explain the compressive strength and water efflorescence tests on bricks.

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