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	Code No: 133AE	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD	
	B.Tech II Year I Semester Examinations, November/December - 2017	
	BUILDING MATERIALS, CONSTRUCTION AND PLANNING (Civil Engineering)	
	Time: 3 Hours Max. Marks: 75	
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	Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A.	
	Part B consists of 5 Units. Answer any one full question from each unit.	
	Each question carries 10 marks and may have a, b, c as sub questions.	
	PART-A DO DO	;····
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	List out the methods of stone quarrying. — [2]	•
	State the requirements of good preservative for timber. [3]	
	Explain why gypsum is added during the manufacture of cement. [2] List out the mineral admixtures and its uses were a second se	
	Describe the uses of Damp Proof Course. [2]	
	List out the fittings required for water distribution system. [3]	<u> </u>
	Differentiate between lime and cement mortars Define shoring and give its uses. [2] [3]	<u> </u>
	List out the principles of building planning. [2]	
	j) Explain the objectives of building bye-laws. [3]	
	PART-B	
	(50 Marks)	
	2 Discuss about the factors affecting the strength of bricks.	
	List out the various properties of flyash and its uses.) [5+5]	
	3.a) Explain in detail the process of manufacturing glass.	
	b) Discuss in brief about the alternative materials for wood. [5+5]	
	The state of the state of compart and cynlain any one test	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	List out the laboratory tests on cement and explain any one test. b) List out the chemical admixtures and its uses. [5+5]	-
	Explain about the dry process of manufacture of cement with flow diagram.	•
	List out the field tests on cement and explain any one in detail. — [5+5]	
	6.a) List out types of staircases and explain anyone with a neat sketch.	
	b) Explain about the essential requirements for fire protection equipment. [5+5]	
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H(0)	List out types of doors and explain anyone with a neat sketch. Explain about the functional requirements for systems of ventilations. [5+5]	
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	Explain any one type of stone masonry with a neat sketch.	
	b) Explain about the properties and advantages of Aluminium Composite Panel. [5+5]	
	OR/	,
MA	9.a) Discuss about the properties of Reinforced brick.	ļ.
T()	b) Define underprinning and discuss about its uses [5+5]	i

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