No. of Printed Pages : 4 Roll No		120762	Q.9 The Beam and Slabs aremember they resist bending.		
Civil, Brick Tech, Civil Mgnt, Civil (Highway)			Q.10 Delhi comes under zone		
Time	Subject : ERBC Earthquake Resistant Building Construction Time : 3 Hrs. M.M. : 100		SECTION-B Note: Very short answer type questions. Attempt any		
Note	SECTION-A e:Objective type questions. All compulsory	questions are (10x1=10)	ten questions out of twelve ques (10x Q.11 Define Seismograph.	stions. (2=20)	
Q.1	1S: 4326 refers to		Q.12 What is yield load.		
Q.2	1S: 13920 refers to		Q.13 Define Body wave.		
Q.3	What is Rayleigh Wave.		Q.14 What is soft storey.		
Q.4	What is Body Wave.		Q.15 What is Isoseismals.		
Q.5	Is 1893 refers to		Q.16 Define design basis earthquake.		
Q.6	Earthquake size is defined in tand	terms of	Q.17 What is box action.		
Q.7	Record of an earthquake is called		Q.18 What is Diaphragm failure.		
Q.8	Wave can pass through solid only.		Q.19 What is Ductility.		
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Q.31 What is the special confining reinforcement Q.20 What is fundamental natural period. where should we provide it. Q.21 What is casualty management. Q.32 How me can reduce the effect of an earthquake. Q.22 What is Triage. **SECTION-D SECTION-C** Note:Long answer type questions. Attempt any three **Note:** Short answer type questions. Attempt any eight questions out of four questions. (3x10=30)questions out of ten questions. (8x5=40)Q.33 Explain different retrofitting techniques & Q.23 Name the environments used in rescue materials used in retrofitting. operations. Q.34 Explain different types of failure in buildings due Q.24 What are the types of a rescue workers. to an earthquake. Q.25 Enumerate some natural disasters. Q.35 Explain the various forces developed in a building during earthquake. Q.26 What is retrofitting? Why it is done? Q.36 What are the causes of an earthquake? Explain Q.27 What is jacketing & How it is done. in detail. Q.28 How the Epicentre of an earthquake located? Explain. Q.29 Explain the methods of repair of cracks in masonry building. Q.30 Explain terms flexural cracks & shear cracks. (3)(2960)(4) 120762 120762