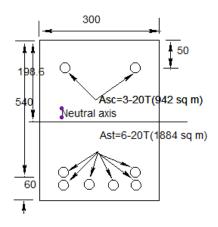
Registration No: M.TECH Manumber of Pages : 2 M.TECH M.TE				GUN	UPUR	- 765	022					
M.TECH 1 ST SEMESTER REGULAR EXAMINATIONS, DECEMBER 2018 EARTHQUAKE RESISTANT DESIGN STRUCTURE Branch: SE, Subject Code: MSEPE1051 (Regulations 2018) Time: 3 Hours Max Marks: 70 PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b.What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	Registration No:	dagat.										M.TECH
M.TECH 1 ST SEMESTER REGULAR EXAMINATIONS, DECEMBER 2018 EARTHQUAKE RESISTANT DESIGN STRUCTURE Branch: SE, Subject Code: MSEPE1051 (Regulations 2018) Time: 3 Hours Max Marks: 70 PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b.What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	Total Number of Page	s · 2										
EARTHQUAKE RESISTANT DESIGN STRUCTURE Branch: SE, Subject Code: MSEPE1051 (Regulations 2018) Time: 3 Hours PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces [5] b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? 5b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.			ER R	EGUI	ARE	CXAN	/INA	TION	IS. D	ECEME	RER 20	18
Time: 3 Hours Ranch: SE, Subject Code: MSEPE1051 (Regulations 2018) Max Marks: 70 PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by magnitude? Explain various types of magnitude? [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.)LIK 20.	10
Time: 3 Hours Naw Marks: 70 Question Code: D18002101 PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks)		•								CKL		
Time: 3 Hours Max Marks: 70 Question Code: D18002101 PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] 5b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] 5b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.		Diul	iicii,		•			1 110				
PART-A (10 X 2=20 Marks) 1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	Time: 3 Hours		Max Marks: 70						O	Ouestion Code: D18002101		
1. Answer the following questions. a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.									`			
a. What do you mean by seismic weight? b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces [5] b.What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	1. Answer the following	g questions.			, -							
b. What do you mean by Fundamental natural period? c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	_	-	c wei	ght?								
c. What are the assumptions considered for accumulation of stresses inside the earth? d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.					al per	iod?						
d. Discuss briefly the two measures of an earthquake. e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.							on of s	stresse	es ins	ide the e	arth?	
e. What are the three main belts where majority earthquake occurs? f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.												
f. What do you mean by seismology? g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.					_		ıake o	ccurs	?			
g. Why the member shall preferably have a width to depth ratio of more than 0.30? h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.					•	1						
h. Why steel reinforcements of grade Fe 415 or less shall be used? i. Name the major plates of the earth. j. What do you mean by seismic weight? PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.					width	to de	pth rat	tio of	more	than 0.3	30?	
pART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	•	-	•				-					
PART-B (5 X 10=50 Marks) Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	i. Name the major	plates of the	earth	l.								
Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	j. What do you me	an by seismi	c wei	ght?								
Answer any five questions from the following. 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.		D./	י דים א	D (5 V	10.5	0 Ma	ادما					
 2a. Discuss the factors required for assessing the lateral design forces b. What are the Variables affecting ductility of a beam? 3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250. 				•								
b. What are the Variables affecting ductility of a beam? [5] 3a. Discuss the four virtues of Earthquake Resistant Buildings. [5] b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	20 Discuss the feature :		•					_	,•			[5]
3a. Discuss the four virtues of Earthquake Resistant Buildings. b. What do you mean by plate boundaries? Discuss its various types. 4a. What do you mean by magnitude? Explain various types of magnitude? b. Discuss various measures of an earthquake. 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	*											
b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	o. What are the variable	les affecting (aucin	ity or a	i ocam	l <i>(</i>						[3]
b. What do you mean by plate boundaries? Discuss its various types. [5] 4a. What do you mean by magnitude? Explain various types of magnitude? [5] b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? [5] b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.	3a. Discuss the four virt	ues of Eartho	quake	Resist	ant Bu	uildin	gs.					[5]
4a. What do you mean by magnitude? Explain various types of magnitude? 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? 5b. Discuss the factors required for assessing the lateral design forces. 5a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.			-				_	pes.				
 b. Discuss various measures of an earthquake. [5] 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. [5] 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250. 	·	7 1					•	•				
 5a. What do you mean by Isoseimals? What are the factors to control the outline of Isoseimals? b. Discuss the factors required for assessing the lateral design forces. 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250. 	4a. What do you mean b	y magnitude	? Exp	olain va	arious	types	of ma	agnitu	de?			[5]
 b. Discuss the factors required for assessing the lateral design forces. 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250. 	b. Discuss various mea	asures of an e	arthq	uake.								[5]
 b. Discuss the factors required for assessing the lateral design forces. 6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250. 												
6a. Compare the ductility with respect to curvature of the cross section of the beam as shown in figure using M20 and Fe250.									e out	line of Is	soseimal	
shown in figure using M20 and Fe250.	b. Discuss the factors i	required for a	issess	ing the	latera	ıl desi	gn for	ces.				[5]
shown in figure using M20 and Fe250.	6a. Compare the ductilis	ty with respe	ct to c	curvatu	re of t	he cr	oss sec	ction o	of the	beam as	S	[5]
	<u>-</u>	•			01 (. Junii u	-	[-]
	9	•		•								[5]



GIET MAIN CAMPUS AUTONOMOUS, GUNUPUR - 765022

7. Describe on :	
a. Plate Tectonics. b. Significance of ductility	[5] [5]
8. Write short notes on a. plate boundaries b. Body waves and surface waves.	[5] [5]
==0==	