(5)

(10)

 $(5 \times 2)$ 

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Ε	ngg ngg	g (Power System Er g, Nano Tech., Pow gg, structural &am Answer Ques	ngg), E er Elec p; Fou stion N	Envio ctro, indat Resc	rn E Powe ion E ource	er Sy Engg Eng Time Max Q.Co h is o	., Ge /sten , Stru g Ar e: 3 I mar DDE: comp	otech ns, P uctur id Ma Hours ks: 70 B65 bulso	nnica rodu al Er inago s o 2 ry ar	nl En ectio ngg, eme	gg, n En Wat nt	Meta gg, S er Re	Illurgical And Mat Signal Processing esource Engg, W om the rest.	erials g And
Q1	a) b) c) d) e) f) g) h) i)	Answer the following questions: What is the difference between earthquake intensity and earthquake magnitude? Differentiate between tsunami and flooding. State various earthquake zones. What do you mean by tropical cyclone? Identify various damage assessment techniques. State the different stages of disaster management. Explain the term; capacity building. Differentiate between repairing and retrofitting. What is emergency preparedness? State the full form of GPS,GIS and PGA.												(2 x 10)
Q2	a) b)	Explain the causes of global warming and climate change.											(5) (5)	
Q3	a) b)												(5) (5)	
Q4		Discuss the roll of emergent disaster si	•	-	•			_	cies a	and	comr	muniti	ies in handling an	(10)
Q5	a) b)												(5) (5)	
Q6	a)	Describe the applica	tion of	GIS a	ınd re	mote	sens	ing in	disa	ster ı	mana	ageme	ent.	(5)

b) Describe the various warning systems which can be adopted for disaster preparedness.

structure and (b) masonry structures for sustaining the effect of earthquake.

Write short notes on the followings. (any TWO)

Describe the concept of earthquake resistant design. Explain various reinforcement detailing

measures which can be applied for (a) beams and beam-column joints of a RCC framed

**b)** retrofitting techniques

a) seismic waves

d) disaster mapping

Q7

Q8