Roll No						



PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF ENGINEERING

MAKEUP EXAMINATION – JAN 2023

Course Code: CIV 1001

Course Name: Disaster Management and Mitigation

Program : B. Tech

Date: 30-JAN-2023

Time: 01:00PM - 04:00PM

Max Marks: 100 Weightage: 50 %

In	otr.	ictic	200

(i) Read the all questions carefully and answer accordingly.	
Part A [Memory Recall Questions]	
Answer all the Questions. Each question carries TWO marks.	(12Qx 2M= 24M)
1.	
I. Hazard is any substance, phenomenon or situation, which has the Identify among the four alternatives which is an example for haza	•
a) Climate change b) Loss of life c) Destruction of property d) All of the above
 II is a climate related disaster and is geological disaster. III. Forest fires are destructive to mankind and environment. Which displays impacts of forest fire? a) Loss of biodiversity b) global warming c) ozone layer depletion above 	of the following are the (C.O No.1) [Knowledge]
IV. Cyclones in India have been frequent for the past decade. Which experience maximum number of cyclones in India?a) Bay of Bengal b) Arabian Sea c) Indian Ocean d) Nicobar islandar	(C.O No.1) [Knowledge]
V. Which of the following was a major nuclear disaster in the history	of disasters.
a) Bhopal Tragedy b) Bhuj disaster c) Amphaan disaster d) Ch	(C.O No.1) [Knowledge]
VI. NIDM refers to and DDMP stands for	·
	(C.O No.3) [Knowledge]
VII . Disaster management cycle includes four components namely, and rehabilitation.	, mitigation, (C.O No.3) [Knowledge]
VIII Which of the following is responsible for managing inventory	of equipment skilled human

- **VIII.** Which of the following is responsible for managing inventory of equipment, skilled human resources and critical supplies for emergency response during disaster?
 - a) NDEM
- b) NIDM
- c) IDRN
- d) Bhuvan, NRSC
- (C.O No.2) [Knowledge]

IX. Which of the disaster man	=	itiative of Indian	government for	r promoting the use of ICT for
a) NRSC	•	c) IDRN	d) IMD	(C.O No.2) [Knowledge]
earth. [Knowledge		ing maps and _	is the	e study of shape and size of the (C.O No.2)
a) Geode XII. Identify the a) Departm	following is not in sy b) Remote Se Nodal Agencies for ent of Mines vater commission	nsing c) Interne or Disaster Man	t of Things d) GI agement in rega	ards to the floods. center for seismology
				(C.O No.2) [Knowledge]
	Part E	3 [Thought Pro	voking Questi	ons]
Answer all the G	uestions. Each	question carrie	es TEN marks.	(4Qx10M=40M)
		_		operty. There could be numerous ers along with suitable examples
				(C.O.No.1) [Comprehension]
increasing yea		various types of		tc. Frequency of floods in India is cuss the various impacts of floods (C.O.No.1) [Comprehension]
It is a continuo of the physica	us process that ev	valuates the prognomic environm	gress of various ents. Identify a	n and changing set of challenges. programs by constant monitoring ny five tools and techniques that ng in detail. (C.O.No.2) [Comprehension]
Implementation	-	management		er risk management. However, challenging in Indian scenario. (C.O.No.3) [Comprehension]
	Part	C [Problem So	olving Question	าร]
Answer all the C	uestions. Each	question carrie	es TWELVE ma	rks. (3Qx12M=36M)
	-	· ·		assed by the government of India connected to it. Explain disaster

- management act, 2005. Discuss any three governing bodies established under Disaster management act, 2005. (C.O.No. 3) [Application]

 7. Information Communication and Technology provides an effective means in disaster monitoring
- 7. Information Communication and Technology provides an effective means in disaster monitoring and warning systems. Telephone, Mobile SMS services, Internet and Social media all are the examples of ICT interventions that can be efficient in disaster management. Explain the role of ICT in disaster management.

 (C.O.No. 2) [Application]

8. India's 58.6 per cent of the landmass is prone to earthquakes of moderate to very high intensity; over 40 million hectares (12 per cent of land) are prone to floods and river erosion. India is highly vulnerable to floods, droughts, cyclones, earthquakes, landslides, avalanches and forest fires. Out of 35 states and union territories in the country, 27 of them are disaster prone. Discuss the factors affecting Disaster in India and explain their various impacts. (C.O.No. 1) [Application]