

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

CLASS: B.Tech./B.Arch.
BRANCH: MECH/CSE/EEE/ECE/IT/ARCH

SEMESTER: VI
SESSION: SP/2023

SUBJECT: CE429 DISASTER MANAGEMENT

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Classify natural and man-made disasters.	[5]	1 2
Q.1(b)	Examine the Seveso, Italy, case study as an example of disaster and ensuing management.	[5]	1 4
Q.2(a)	Explain the process of the disaster management cycle.	[5]	2 4
Q.2(b)	Outline the details of baseline information required for disaster risk reduction.	[5]	2 4
Q.3(a)	Discuss the characteristics of a Tsunami.	[5]	3 2
Q.3(b)	Classify cyclones and explain the development cycle of a tropical cyclone.	[5]	3 4
Q.4(a)	With the help of a neat sketch, interpret seismic waves and faults.	[5]	4 3
Q.4(b)	Describe the various constituent of volcanic activity.	[5]	4 2
Q.5(a)	Explain biological disasters and their characteristics.	[5]	5 4
Q.5(b)	With urbanization and industrialization global warming and climate change have become environmental disasters. Interpret.	[5]	5 3

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