$PART - B (5 \times 10 = 50 \text{ Marks})$

Answer ALL Questions

26. a.	Demonstrate the purpose, key stages, and outcomes of the disaster management cycle.	10	3	1	
	(OR)				
1.		10	3	1	
D.	Examine the roles and responsibilities of the various committees of national	10	-		
	disaster management under each layer in detail and outline its framework				
	with a neat sketch.				
27. a.	Write down the classification, causes, and effects of an earthquake and examine the two important scales used to measure the impact of an earthquake.	10	3	2	
	stell out in R day intid you will remove in a R become				
	(OR)				
hi	Compare cyclone and anti-cyclone with a neat diagram.	5	4	2	
0.1.	Compare cyclone and anti-cyclone with a near diagram.				
ii.	Examine the key factors leading to the causes of flood.	5	3	2	
	Dans and a Namelandal will fill this and a floor and a	10	3	3	
28. a.	Examine the causes and effects of the Chernobyl nuclear power plant	10	3	3	
	accident in detail.				
	(OR)				
b .	Examine the causes and effects of the Bhopal gas tragedy.	10	3	3	
	I Indiana the manage of the fact of the first and the firs				
29. a.	Analyze the importance of Land-use zoning in disaster management in	10	4	4	
	detail.				
	(OR)				
1_		10	4	4	
D.	Write down the significance of the essential post-disaster activity "Search	10	ľ	•	
	and Rescue".				
		10		_	
30. a.	Analyze the role of remote sensing and GIS in the response, recovery and	10	4	5	
	mitigation phases of the flood event.				
	(OR)				
b.	Analyze the roles and responsibilities of the scientific divisions of the	10	4	5	
	national centre for seismology, India.				
	0,				

* * * *

Page 4 of 4 25NF6/7/18CEO307T

Reg. No.	diti	H								
9			-11			HE AL	1 7	1110		

B.Tech. DEGREE EXAMINATION, NOVEMBER 2022

Sixth/ Seventh Semester

18CEO307T - DISASTER MITIGATION AND MANAGEMENT

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note:

(i)			rt - A should be answered in ON r to hall invigilator at the end of 4		rithin first 40 minutes and OMR shee	et shoul	d be	han	ded
(ii))		t - B should be answered in answ						
Time	: 2	½ Ho	ours spectromial a manage			Max.	Mar	ks:	75
			DADE A OF	5.4115	(E)	Marks	BL	co	PO
			PART - A (25)						
	1	337L	Answer AL			1	1	- 1	7
	1.				outhern states of India?				
		` '	Flood	, ,	Drought Frieid descrit				
		(C)	Cyclone	(D)	Frigid-desert				
	2.				to the objectives of the Disaster	1	1	1	12
			nagement Act?						
			Constitution of different e	xecutive	committee at national and state	;			
		(C)	Provides institutional mechan						
			Establishing collaboration wi						
			incinn language						
	3.		tify the data involved in the p			1	1	1	1
		(A)	Duration	, ,	Location				
		(C)	Magnitude	(D)	Intensity				
	4.	Dev	-	to reduce	the intensity of Tsunami comes	1	2	1	1
		(A)	Community measure	(B)	Conventional measure				
		(C)	Non-structural measure	(D)	Structural measure				
	_	~~~	1 01 011 1		TWATES	1	2	I	7
	5.		ch of the following is not a pa				2		,
			Volcanoes	, ,	Sea surge				
		(C)	Earthquake	(D)	Tsunami				
	6.	The is	purpose of the conservation	practices	like windbreaks and shelterbelts	1	2	2	1
		(A)	To control soil erosion	(B)	To reduce the intensity of flood				
		(C)	To reduce cyclone effects	(D)	To reduce the effect of tsunami				
	7.	Sink	ing or settling of the ground	in a verti	cally downward direction which	1	1	2	1
	. •		occur because of the remova		al support from the underground,				
			Flowage	(B)	Subsidence				

(C) Sliding (D) Toppling

25NF6/7/18CEO307T

8.	Interpret the relationship between the given statements: Assertion (A) crop rotation is the practice of planting different crops sequentially on the same plot of land Reason (R) this practice is done to decrease the rate of soil erosion. (A) A is true, but R is not the (B) A is false, but R is the correct	1	2	2	1
	correct explanation explanation (C) A is true, R is the correct (D) A is false, but R is not the				
	explanation correct explanation				
9.	What is the normal concentration of ozone?	1	1	2	7
	(A) 250 to 300 D.U (B) 300 to 350 D.U				
	(C) 350 to 400 D.U (D) 400 to 450 D.U				
10.	How the accurate location of the epicenter of an earthquake is identified?	1	2	2	1
	(A) Remote sensing (B) Survey				
	(C) Isoseismals (D) Travel time curve				
11.	Examine how the coal fire pollutes the water	1	2	3	7
	(A) By increasing acidity (B) By chaining color				
	(C) By increasing fluoride (D) By increasing TDS				
12.	What type of forest fire is particularly very dangerous?	1	1	3	7
	(A) Surface fire (B) Crown fire on a hill slope				
	(C) Crown fire on a flat surface (D) Surface fire in a dry region				
13.	What was the primary cause of the nuclear disaster in Fukushima on 11 th March 2011?	1	1	3	1
	(A) Internal fire accident (B) Malfunction of cooling systems				
	(C) Low-quality reactors (D) Earthquake and Tsunami				
14.	In India, the fire in the Jharia coal field was mainly due to	1	1	3	7
	(A) Unscientific mining (B) Forest fire				
	(C) Human accident (D) Lightening				
15.	Interpret the relationship between the given statements: Assertion (A) acid rain is a human-induced disaster	1	2	3	7
	Reason (R) acid rain kills, trees, damages buildings, statues and takes mineral out of soil.				
	(A) A is true, but R is not the (B) A is false, but R is the correct correct explanation explanation				
	(C) A is true, R is the correct (D) A is false, R is not the correct explanation explanation				
16.	What is the name of a map in which the surface features are classified based on the human activities?	1	1	4	7
	(A) Land cover map (B) Land use map				
	(C) Land cover and land use map (D) Cadastral map				
17.	Which color tag is given to the victim with life-threatening? Injuries that demand immediate attention to save their life during medical triage?	1	1	4	6
	(A) Yellow (B) Green				
	(C) Black (D) Red				

18.	What is the rank	of the 'Ruinous' categ	gory	in MM scale?	1	1	4	12
	(A) 3		(B)	5				
	(C) 9		(D)					20
19.	What is the name of the rescue method when the victim is found in a grave condition and is to be shifted in a flat position?							6
	(A) Blanket lift	4	` '	Cloth lift				
	(C) Four-handed	1 seat	(D)	Lashing				
20.	Reason (R) the Sa (i) Commu	on (A) SAR stands for AR activities are under anity local rescuers are community resource	ertak nd	rch and reimburse (SAR) en in two ways	1	2	4	9
	, ,	but R is not the		A is false, but R is the correct explanation				
			(D)	A is false and R is not the correct explanation				
21.	Interpret: Assertiresponse operatio		ring	is an efficient tool in disaster	1	2	5	1
		lso called informal in	terve	entions				
	(A) A is true, correct expl		(B)	A is false, but R is the correct explanation				
			(D)	A is false and R is not the				
	explanation		` /	correct explanation				
22.	What is the name India?	e of the regional nav	igatio	on satellite system developed by	1	1	5	1
	(A) RISAT		(B)	IRNSS				
	(C) GPS		(D)	GLONASS				
23.	Which of the for service?	ollowing is not belo	ongir	ng to the positional astronomy	1	2	5	1
	(A) Lunar pheno prediction o		(B)	Ozone monitoring network				
	• 1	nstances of eclipses	(D)	Polar star data				
24.	Name the satellit flood inundated a		rove	n to be very useful for mapping	1	1	5	1
	(A) Synthetic ap	erture radar	(B)	Landsat				
	(C) IRS		(D)	MODIS				
25.	•	•		ful in field operations mitigation phase of the disaster	1	2	5	1
			(B)	A is false, but R is the correct				
	correct expl			explanation				
	(C) A is true a explanation	nd R is the correct	(D)	A is false and R is not the correct explanation				

Marks BL CO PO