

**INSTITUTE OF AERONAUTICAL ENGINEERING** 

(Autonomous) Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND ENGINEERING

## DEFINITIONS AND TERMINOLOGY QUESTION BANK

Course Name	:	DISASTER MANAGEMENT
Course Code	:	ACE551
Program	:	B.Tech
Semester	:	VI
Branch	:	CSE / IT / ECE / EEE / ME
Course Faculty		Mr. Gude Ramakrishna, Associate Professor, CE Mr. S Siva Rama krishna, Assistant Professor, CE Mr. S Selva Prakash, Assistant Professor, CE Mr. G N V Sai Teja, Assistant Professor, CE Ms. N Sri Ramya, Assistant Professor, CE Mr. J Tirupathi, Assistant Professor, CSE

## **COURSE OBJECTIVES:**

The	The course should enable the students to:						
Ι	Identify the major disaster types and develop an understanding of modern disaster management.						
II	Recognize and develop awareness of the chronological phases of natural disaster response and refugee relief operations.						
III	Understand the key concepts of disaster management related to development and the relationship of different disaster management activities.						
IV	Categorize the organizations that are involved in natural disaster assistance and relief system.						

## DEFINITIONS AND TERMINOLOGYQUESTION BANK

S.No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		UNIT -I				
1	What are the phases of disaster?	Phases of disaster 1.Pre-impact phase 2. Impact phase 3. Post-impact phase.	Remember	CO1	CLO1	ACE551.01
2	Principles of disaster management.	<ul> <li>Disaster management should use resources that exist for a day- to-day purpose.</li> <li>Individuals are responsible for their own safety.</li> </ul>	Understand	CO1	CLO2	ACE551.02
3	What are the rehabilitation phase?	<ul> <li>Water supply</li> <li>Food safety</li> <li>Basic sanitation and personal hygiene</li> <li>Housing.</li> </ul>	Remember	CO1	CLO1	ACE551.01
4	What are the extra tropical cyclones?	Extra tropical cyclones, sometimes called mid-latitude cyclones, are a group of cyclones defined as synoptic scale low pressure weather systems that	Remember	CO1	CLO1	AEE503.01

S.No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		occur in the middle latitudes of				
		the earth.				
5	Name the types of environmental disasters.	<ol> <li>Geo-hydrological disasters</li> <li>Chemical accidents / disasters</li> <li>Industrial environmental disasters</li> <li>Climate Change &amp; Disasters</li> </ol>	Understand	CO1	CLO3	ACE551.03
6	Explain about cyclones.	Cyclone is the term used globally to cover tropical weather systems in which winds equal or exceed ale force (62 kmph). These are intense low pressure areas of the earth atmosphere coupled system and are extreme weather events of the	Remember	CO1	CLO2	ACE551.02
	<b>P</b> 1 1 1	tropics.	<b>D</b> 1	<b>GO</b> 1	CT 0.1	
7	Explain about windstorms	Windstorm, a wind that is strong enough to cause at least light damage to trees and buildings and may or may not be accompanied by precipitation. Wind damage can be attributed to gusts (short bursts of high-speed winds) or longer periods of stronger sustained winds.	Remember	CO1	CLO1	ACE551.02
8	What is need of energy management?	Energy management is the means to controlling and reducing your organizations energyconsumption.	Remember	CO1	CLO1	ACE551.02
9	Explain about National emergency management organization.	A national emergency management organization that is separate from other government agencies is preferable. Responsibility should also be decentralized to rovincial government.	Remember	CO1	CLO1	ACE551.01
10	List any four environmental disasters.	<ul> <li>Bhopal: the Union Carbide gas leak</li> <li>Chernobyl: Russian nuclear power plant explosion</li> <li>Seveso: Italian dioxin crisi</li> <li>The 1952 London smog disaster.</li> </ul>	Understand	CO1	CLO2	ACE551.02
11	Draw the disaster- cycle.	Nitigation Disaster Cycle Taggaration Response	Remember	CO1	CLO2	ACE551.02
12	What are factor of avalanche possibility?	The biggest factor of avalanche possibility is the accumulation snow over the winter season – More snow = bigger avalanche.	Understand	CO1	CLO3	ACE551.03
13	Explain about Earthquakes.	<ul> <li>Earthquakes are caused by the release of built up pressure caused by the shifting of tectonicplates</li> <li>Earthquakes usually occur on fault lines, or areas where tectonic plates meet.</li> </ul>	Remember	CO1	CLO2	ACE551.03

S.No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
14	What is Global	• Global warming is the rise in	Remember	CO1	CLO2	ACE551.03
	warming?	the average temperature of				
		Earth's atmosphere and oceans				
		since the late 19th century and				
		its projected continuation. Since the early 20th century,				
		Earth's mean surface				
		temperature has increased by				
		about 0.8 °C (1.4 °F), with				
		about twothirds of the increase				
1.7	****	occurring since 1980.			CT 00	
15	What are the	The release of chemicals and	Remember	CO1	CLO3	ACE551.03
	major forms of	particulates into the atmosphere. Common gaseous pollutants				
	pollution?	include carbon monoxide, sulfur				
		dioxide, chlorofluorocarbons	_			
		(CFCs) and nitrogen oxides				
		produced by industry and motor				
		vehicles. Photochemical ozone				
		and smog are created as nitrogen				
		oxides and hydrocarbons react to sunlight.				
		UNIT – I	[			
1	What is	Environmental degradation is the	Remember	CO2	CLO6	ACE551.06
	Environmental	disintegration of the earth or	-			
	Degradation?	deterioration of the environment				
		through consumption of assets, for example, air, water and soil; the				
		destruction of environments and				
		the eradication of wildlife.				
2	Causes of	1. Land Disturbance	Remember	CO2	CLO6	ACE551.06
	environmental	2. Pollution			1	
	degradation.	3. Overpopulation	_		- C	
		4. Landfills 5. Deforestation			-	
3	Types of damage	•Traffic blocked by snow	Remember	CO2	CLO6	ACE551.06
-	due to	deposited on road surface.				
	avalanches.	•Roads damaged by avalanches.				
		•Road structures, such as			6	
4	Differentiat	retaining walls, overturned.	D. 1	002	CT CO	
4	Differentiate	Local taxes are established in an element. Since it is in the element	Remember	CO2	CLO8	ACE551.08
	between global	level, they change with the	111			
	and local taxes.	change in orientation of the	-			
		element. The direction differs				
		from element to element.				
		Global taxes are defined for the				
	XX71	entire system.		002	CLOC	
5	What are the	types of disasters include: • Tornadoes and Severe Storms.	Understand	CO2	CLO6	ACE551.06
	types of natural	<ul> <li>Hurricanes and Tropical Storms.</li> </ul>				
	disaster?	Floods.				
		• Wildfires.				
		• Earthquakes.				
		• Drought.				
6	What are the	prevention of biological disasters	Understand	CO2	CLO8	ACE551.08
	prevention of	<ol> <li>Environmental Management.</li> <li>Post-disasterEpidemics</li> </ol>				
		2.rost-uisasterepideimics				

S.No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
	biological	Prevention				
	disasters?	3.Detection and Containment of Outbreaks.				
7	What are the	• Atmospheric	Remember	CO2	CLO6	ACE551.06
	classification of	<ul><li>Terrestrial</li><li>Aquatic</li></ul>				
	natural disasters?	• Biological.				
8	What are the	Meteorological Drought	Understand	CO2	CLO6	ACE551.06
	types of	Agricultural Drought				
	droughts?	Hydrological Drought				
9	E-mlain shout	• Ecological Drought.	Remember	<u> </u>	CLOC	ACE551.0C
9	Explain about hydrological	It results when the availability of water in different storages and	Remember	CO2	CLO6	ACE551.06
	drought.	reservoirs like aquifers, lakes,	1.1			
	arought	reservoirs, etc. falls below what				
10	Explain about	the precipitation can replenish. When the productivity of a natural	Understand	CO2	CLO8	ACE551.08
10	ecological	ecosystem fails due to shortage of	Chaerstand	002	CLOU	NeL551.00
	drought.	water and as a consequence of				
	-	ecological distress, damages are induced in the ecosystem.				
11	Explain about	Occurrences of extreme low	Understand	CO2	CLO8	ACE551.08
	coldwave.	temperature in association with				
		incursion of dry coldwinds from north into the sub-continent are				
		known as cold waves. The				
		northern parts of India, specially				
		the hilly regions and the adjoining				
		plains, are influenced by transient disturbances.				
12	What are the	Various heat transfer mechanisms	Remember	CO2	CLO6	ACE551.06
	types of	are convection, conduction,	_			100
	droughts?	radiation and evaporate cooling.			0	
13	What are the	The primary cause of any drought	Remember	CO2	CLO4	ACE503.06
	cause of drought?	is deficiency of rainfall and in			4	
		particular, the timing,				
		distributionand intensity of this			1	
		deficiency in relation to existing				
14	Explain about	when the productivity of a	Understand	CO2	CLO8	ACE551.08
14	ecological	natural ecosystem fails due to	Understand	002		ACE331.00
	drought.	shortage of water and as a	111			
	C	consequence of ecological	-			
		distress, damages are induced in				
		the ecosystem.				
15	What are the	The primary cause of any drought	Understand	CO2	CLO8	ACE551.08
	cause of drought?	is deficiency of rainfall and in				
		particular, the timing, distributionand intensity of this				
		deficiency in relation to existing				
		reserves.				
		UNIT – II				
1	What are the	Great explosions, landslides, slips	Understand	CO3	CLO10	ACE551.10
	surface cause of an earthquake?	on steep coasts, dashingof sea waves, avalanches, railway trains,				
	or an carinquake?	waves, avaianches, ranway trains,				

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	Classification of	heavy trucks, somelarge engineering projects cause minor tremors. Some of them aremanmade, other are natural.	Understand	CO3	CLO10	ACE551 10
2	hazards on the basis of origin of the hazards.	<ul> <li>Terrestrial hazards</li> <li>Exogenic Hazards</li> <li>Biotic Hazards.</li> </ul>	Understand	003	CLOIO	ACE551.10
3	Why regional sediment management?	Sediment is an essential and dynamic part of the Harbor Estuary; its quality and quantity are integral to ecosystem health and a fundamental component of the regional economy.	Understand	CO3	CLO10	ACE551.10
4	What are the causes of tropical cyclone?	A cyclone is formed over tropical seas. Winds from opposite directions meet. This air is heated by the warm seas and so evaporates moisture from the ocean. This warm air rises up rapidly, cools and condenses to form clouds and produces an area of very low pressure. When moisture and air mix, it makes a collection of thunderstorms from which a cyclone can develop.	Remember	CO3	CLO10	ACE551.10
5	Explain about toxic gases.	Toxic gases can be present in a confined space because the type of manufacturing process uses toxic substances as part of the production process, or biological and chemical "breakdown" of the product being stored in a tank, and from maintenance activities (welding) being performed in the confined space.	Remember	CO3	CLO8	AEE503.08
6	Discuss about ecology and its components?	An ecosystem is a community of living organisms in conjunction with the nonliving components of their environment, interacting as a system. These biotic and a biotic components are linked together through nutrient cycles and energy flows.	Understand	CO3	CL08	AEE503.08
7	List out the situation during post disaster phase?	Disaster Mitigation involves lessening the likely effects of emergencies. These include depending upon the disaster, protection of vulnerable population and structure.	Remember	CO3	CLO8	AEE503.08
8	Define Disaster Drill?	It is an exercise in which people simulate the circumstances of a	Remember	CO3	CLO8	AEE503.08

S.No	QUESTION	ANSWER	Blooms Level	CO	CLO	CLO Code
		disaster so that they have an				
		opportunity to practice their				
9	How do you mean	responses. Exogenous is the opposite of	Remember	CO3	CLO8	AEE503.08
	by exogenous?	endogenous. If your village	Remember	005	CLOO	ALL505.00
	, ,	traditions favor endogenous				
		marriage, you'll marry somebody				
		from your own village. In biology				
		and medicine, especially				
		psychiatry, the word exogenous is				
		used to describe outside factors,				
		something that originates from				
		outside the organism.				
10	What is tectonic	Tectonic processes mostly take	Understand	CO3	CLO8	AEE503.08
	process?	place at the plate edges. A plate				
		moves as a single entity along the				
		surface of the Earth over a plastic				
		mantle. There are two types of plate: Oceanic plates form at the				
		mid-ocean ridges				
11	What is volcan <mark>ism</mark>	Platonism (or volcanism) is the	Remember	CO3	CLO9	AEE503.09
	and Platonism?	geologic theory that the igneous				
		rocks forming the Earth				
		originated from intrusive magmatic activity, with a				
		continuing gradual process of	-			
		weathering and erosion wearing				
		away rocks, which were then				
		deposited on the sea bed, re-				
		formed into layers of sedimentary rock by heat and pressure.				
12	Explain the term	The epicenter, seismology is the	Remember	CO3	CLO9	AEE503.09
	Epicenter?	point on the Earth's surface			-	
	<u> </u>	directly above a hypocenter or	_			2
	C	focus, the point where an			~	
	0	earthquake or an underground explosion originates.	- /		<b>~</b>	
13	Explain the term	Focus-The location where the	Remember	CO3	CLO9	AEE503.09
	Focus?	earthquake begins. The ground				
		ruptures at this spot, then seismic				
		waves radiate outward in all	-	×.		
14	Explain the term	directions. Earthquakes radiate seismic energy	Understand	CO3	CLO9	ACE503.09
14	Waves?	as both body and surface waves.	Onderstand	005	CLO	ACE303.09
		Traveling through the interior of				
		the earth, body waves arrive				
		before the surface waves emitted				
		by an earthquake. These waves are of a higher frequency than				
		surface waves. The first kind of				
		body wave is the P wave or				
		primary wave.				
15	Explain the term	A large wave on the ocean, usually	Remember	CO3	CL14	ACE503.09
	Tsunami?	caused by an undersea				
		earthquake, a volcanic eruption,				
		or coastal landslide. A tsunami				
		can travel hundreds of miles over				
		the open sea and cause extensive				

S.No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
		damage when it encounters land.				
		Also called tidal waves.				
		UNIT – IV				
1	What are the types of tropical cyclones?	<ul><li>Tropical cyclone</li><li>Subtropical cyclone</li><li>Extra tropical cyclone.</li></ul>	Remember	CO4	CLO13	ACE551.13
2	Explain about tropical cyclone.	Tropical Cyclone Genesis is the technical term for the process of storm formation that leads ultimately to what are called hurricanes, typhoons, or tropical cyclones in various parts of the world.	Understand	CO4	CLO13	ACE551.13
3	Explain about hydro- meteorological disasters.	A flood is an excess of water (or mud) on land that's normally dry and is a situation wherein the inundation is caused by high flow, or overflow of water in an established watercourse, such as a river, stream, or drainage ditch; or ponding of water at or near the point where the rain fell. This is a duration type event. A flood can strike anywhere without warning, occurs when a large volume of rain falls within a short time.	Understand	CO4	CLO13	ACE551.13
4	What are the types of floods?	<ul> <li>Flash Floods</li> <li>River Floods</li> <li>Coastal Floods</li> <li>Urban and small stream flood.</li> </ul>	Remember	CO4	CLO13	ACE551.13
	State primary causes for floods.	<ul> <li>Intense rainfall when the river is flowing full.Cyclone and very intense rainfall when the EL Nino effect is on a decline.</li> <li>Synchronization of flood peaks in the main rivers or their tributaries.</li> <li>Landslides leading to obstruction of flow and change in the river course.</li> <li>Poor natural drainage system.</li> <li>Backing water in tributaries at their confluence with the main river.</li> </ul>	Remember	CO4	CLO13	ACE551.13
6	Specify the flood safety tips.	<ol> <li>All your family members should know the safe routes to nearest shelter/raised puccahouse.</li> <li>If your area is flood-prone, consider suitable flood resistant</li> </ol>	Understand	CO4	CLO13	ACE551.13

S.No	QUESTION	ANSWER	<b>Blooms Level</b>	СО	CLO	CLO Code
		building materials.				
		3. Tune to your local radio/TV for				
		warnings and advice. Have an				
		emergency kit ready.		~~ .	<b>AT A A</b>	
7	What are the flood	(i) Critical flood control and river	Remember	CO4	CLO13	ACE551.13
	management	management works in the entire				
	Components?	country (includes river				
		management, flood control, anti- erosion, drainage development,				
		anti-sea erosion, and flood				
		proofing works besides flood				
		prone area development				
		Programme in critical regions and				
		restoration of damagedflood	_			
		control/ management works).				
		(ii) The spillover works of on-				
		going central plan schemes of Xth				
		Plan would also be supported				
		under thisscheme during XI Plan.		<u> </u>	CT 014	
8	Explain about	A physical hazard is defined as	Understand	CO4	CLO14	ACE551.14
	physical hazards.	"A factor within the environment that can harm the body without				
		necessarily touching it. Vibration	1000			
		and noise are examples of	S			
		physical hazards".				
		Physical hazards include but				
		aren't limited to electricity,				
		radiation, pressure, noise, heights				
		and vibration amongst many				
0		others.		004	CL 0.1.4	A GE 551 14
9	Define soil erosion.	The upper layer of the soil consists of fine soil particles. It is	Understand	CO4	CLO14	ACE551.14
		rich in minerals and has humus.				
	C	Hence, humus makes the soil				
	0	fertile. Sometimes heavy rain,			-	
		running water and wind remove			· · · ·	
	0	the top layer of soil. This			~	
		phenomenon is soil erosion.			~	
10	Explain about soil	Water erodes soil mainly in two	Remember	CO4	CLO13	AEE551.13
	by water erodes.	ways:				
		1. By the violent splash of the				
		falling raindrop on bare soil. 2. By the scouring action of soil-		1.1		
		laden water moving down the		-		
		slopes.	111			
11	Explain about	Wind erosion starts when bare	Remember	CO4	CLO13	AEE551.13
	Wind Erosion	sandy soil becomes dry and high				
		winds roll the sand grains over				
		each other, resulting in shifting				
		sand dunes.				
		During dust storms, the finer				
		particles of silt may be picked up				
		by the wind and carried for miles.				
		The results are depletion of the				
		soil, a covering up of good				
		farmland by worthless sand, and				
		menacing dust storms.				

12	QUESTION	ANSWER	<b>Blooms Level</b>	СО	CLO	CLO Code
12	What are the	There are four main factors that	Understand	CO4	CLO14	ACE551.14
	Factors that cause	contribute to a landslide:				
	landslides?	1. Slope				
		2. Precipitation				
		-				
10	XX 71 1	3. Vegetation		<b>GO</b> 4	GY 0.10	
13	What are the problems caused	In India a total of 1 750 000	Remember	CO4	CLO13	ACE551.13
	by soil erosion?	square kmout of the total land				
	by son crosion.	area of 3 280 000 square km is				
		prone to soil erosion. Thus about 53% of the total land area of India				
		is prone to erosion Areas affected				
		by soil erosion in India can be				
		broadly grouped into two				
		categories, representing, firstly,				
		the Himalayan and Lower				
		Himalayan region and, secondly,				
		other regions.				
14	Explain about	Basins constructed to collect and	Remember	CO4	CLO13	ACE551.14
	sediment basins.	store sediment during runoff				
		events. Also known as detention	1 A 1			
		ponds. Sediment is deposited				
		from runoff during impoundment				
		in the sediment basin.	-			
15	Define			CO1	CLO14	ACE551.14
15	Sedimentation?	Sedimentation is the tendency for particles in suspension to settle	Understand	CO4	CL014	ACE551.14
	Seamentation	out of the fluid in which they are				
		entrained and come to rest against		1		
	50	a barrier.	_			-
					_	
		UNIT – V	,			
		UNIT – V	7			
1	Explain about	Disaster prevention and	Remember	CO5	CLO16	ACE551.16
1	disaster	Disaster prevention and mitigation refers to the activities		CO5	CLO16	ACE551.16
1	disaster prevention and	Disaster prevention and mitigation refers to the activities which are undertaken to prevent		CO5	CLO16	ACE551.16
1	disaster	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of		CO5	CLO16	ACE551.16
1	disaster prevention and	Disaster prevention and mitigation refers to the activities which are undertaken to prevent		CO5	CLO16	ACE551.16
	disaster prevention and mitigation.	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period.	Remember	43		
1	disaster prevention and mitigation. Explain about	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period. The intention of Disaster		CO5 CO5	CLO16 CLO16	ACE551.16 ACE551.16
	disaster prevention and mitigation. Explain about disaster	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period. The intention of Disaster preparedness is to prevent or	Remember	43		
	disaster prevention and mitigation. Explain about	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period. The intention of Disaster	Remember	43		
2	disaster prevention and mitigation. Explain about disaster preparedness.	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period. The intention of Disaster preparedness is to prevent or minimize the losses and damage in case of a disaster.	Remember	CO5	CLO16	ACE551.16
	disaster prevention and mitigation. Explain about disaster preparedness. Explain	Disasterpreventionandmitigation refers to the activitieswhich are undertaken to preventor mitigate the adverse effects ofa disaster in short period.The intention of Disasterpreparedness is to prevent orminimize the losses and damagein case of a disaster.The response phase includes the	Remember	43		
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse,	Disasterpreventionandmitigation refers to the activitieswhich are undertaken to preventor mitigate the adverse effects ofa disaster in short period.The intention of Disasterpreparedness is to prevent orminimize the losses and damagein case of a disaster.The response phase includes thesearch and rescue; fulfilling basic	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse, recovery and	Disasterpreventionandmitigation refers to the activitieswhich are undertaken to preventor mitigate the adverse effects ofa disaster in short period.The intention of Disasterpreparedness is to prevent orminimize the losses and damagein case of a disaster.The response phase includes thesearch and rescue; fulfilling basichumanitarian needs of victims;	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse,	Disaster prevention and mitigation refers to the activities which are undertaken to prevent or mitigate the adverse effects of a disaster in short period. The intention of Disaster preparedness is to prevent or minimize the losses and damage in case of a disaster. The response phase includes the search and rescue; fulfilling basic humanitarian needs of victims; assistance by regional, national	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse, recovery and	Disasterpreventionandmitigation refers to the activitieswhich are undertaken to preventor mitigate the adverse effects ofa disaster in short period.The intention of Disasterpreparedness is to prevent orminimize the losses and damagein case of a disaster.The response phase includes thesearch and rescue; fulfilling basichumanitarian needs of victims;assistance by regional, nationaland international bodies etc.	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse, recovery and	Disasterpreventionandmitigationrefers to the activitieswhich areundertaken toormitigatetheadverseeffectsofadisasterinshortperiod.	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse, recovery and	Disasterpreventionandmitigationrefers to the activitieswhich are undertaken to preventor mitigate the adverse effects ofa disaster in short period.The intention of Disasterpreparedness is to prevent orminimize the losses and damagein case of a disaster.The response phase includes thesearch and rescue; fulfilling basichumanitarian needs of victims;assistance by regional, nationalandinternational bodies etc.Recovery phase starts after theimmediate threat to human life	Remember	CO5	CLO16	ACE551.16
2	disaster prevention and mitigation. Explain about disaster preparedness. Explain aboutresponse, recovery and	Disasterpreventionandmitigationrefers to the activitieswhich areundertaken toormitigatetheadverseeffectsofadisasterinshortperiod.	Remember	CO5	CLO16	ACE551.16

S.No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		the affected area back to some degree of normalcy. During reconstruction, the location or construction material of the property is considered.				
4	What is goal of environment and disastermanagem ent?	The goal of Environment and Disaster Management is the safety and sustainability of human lives • Safety is related to avoiding death and injuries to human lives during a disaster • Sustainability is related to livelihood, socio-economic, cultural, environmental and psychological aspects.	Remember	CO5	CLO17	ACE551.17
5	Explain about coastalzone management and disaster preparedness.	<ul> <li>Green belt and mangrove in the coastal zone, coral reef protection and coastal regulatory zones are considered as environment protection measures</li> <li>However, these elements are strongly linked to tsunami protection in the coastal areas.</li> <li>Livelihood support to the fisherman, protection of environment in the coastal area, and disaster prevention interface was lacking in most of the places.</li> </ul>	Understand	CO5	CLO17	ACE551.17
6	What is Community risk assessment?	A highly localized risk analysis is produced in this way, and local participants also discuss the appropriate response to those risks. Past disasters are recalled. Lessons of other people's experience are discussed. In this way, the locality studies itself. A core group of knowledgeable and motivated volunteers is developed, who can help to train others in the community, possibly on a paid basis.	Understand	CO5	CLO17	ACE551.17
7	Explain about risk perception.	The perception of risk is not universally the same. It can vary from culture to culture, by socioeconomic class and even by individual. For example, many farmers live on the slopes of active volcanoes or in the flood plains of rivers because they perceive the balance of benefits to risks as favor. However, some risks are not consciously chosen, but simply thrust upon people because information is not made available and there is no public discussion.	Remember	CO5	CLO16	ACE503.16

S.No	QUESTION	ANSWER	Blooms Level	CO	CLO	CLO Code
	What are the	• Language used should be simple	Understand	CO5	CLO17	ACE551.17
	points should	and non-technical;				
	Remember at the	•If different warning systems are				
	time of disaster	used, they should not give				
	emergency?	conflicting messages, or people				
		will tend to ignore them;				
		•Messages should state clearly the				
		exact nature of the impending				
		threat and its implications for the				
		target population;				
		•The potential victims of a disaster				
9	What are the	should be clearly identified.	Damasuhan	CO5	CI 017	ACE551 17
9	Problems with	Inappropriate choices of settlement sites. These sites are usually	Remember	COS	CLO17	ACE551.17
	temporary	forced settlement sites and the				
	emergency	problems include: no reliable				
	settlements?	water supplies; a high water-table				
	settiements.	Random defecation. This is hard				
		to control when populations have				
		no experience of, or access to,				
		latrines.				
		A population that is too frightened,				
		too hostile, or too socially				
		fragmented to collaborate				
		effectively.				
10	What are the	providing facilities for people to	Remember	CO5	CLO16	ACE551.16
	priorities in the	excrete safely and hygienically				
	acute emergency	— protecting water supplies from				
	phase?	contamination;				
		— providing a minimum amount				
		of water for drinking, cooking				
	1.00	and personal and domestic	-			
	50	hygiene;				
	-	— ensuring that people have enough water containers to collect				
		and store water cleanly;				)
	1	— ensuring that people have			-	
		sufficient cooking utensils,			A	
	0	equipment and fuel to cook and				
		store food safely;			(m)	
		— ensuring that people have the				
		knowledge and understandingthey				
		need to avoid disease;		5		
11	What are the	The facilities required by	Understand	CO5	CLO17	ACE551.17
	Facilities for	emergency personnel will vary	1 1 2			
	emergency	substantially according to the	1000			
	personnel?	customary level of basic support,				
		the task involved and the local				
		conditions generated by the				
		emergency. Broadly, however, all				
		facilities will have common				
		requirements, including:				
		— Basic personal needs;				
		— Family support				
		— Safety and security				
		— Emotional support and				
12	Safety poods of	counselling. In post-disaster situations there are	Understand	CO5	CLO17	ACE551.17
12	Safety needs of personnel in post-	many other threats to the health	Understand	005	CLUI/	ACESSI.1/
	disaster.	and safety of staff. The working				
	41545101.	and safety of staff. The working				

S.No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		environment tends to be unsafe, as				
		a result of damage to buildings and				
		roads, infectious diseases, or lack				
		of appropriate equipment for				
		reconstruction. In addition, the				
		need to act fast, the great risks				
		faced by the affected population,				
		and the lack of close monitoring				
		all discourage staff from applying				
		health and safety procedures.				
	How you can	Increasing the capacity of people	Understand	CO5	CLO17	ACE551.17
	Increasing	to offset risk, absorb shocks and				
	individual and	meet contingencies is central to the				
	institutional	goal of sustainable recovery.		(		
	capacity at the	Reconstruction of a damaged area				
	time of disaster?	is not limited to the erection of		)		
		new buildings. An integrated				
		development process is required				
		that should embrace the full				
		redevelopment of the affected area				
		according to the needs of its				
		population.				
14	Explain about	Transportation is needed for a	Remember	CO5	CLO16	ACE551.16
	transportation and	range of environmental health				
	logistics at the	operations during emergencies,				
	time of disaster.	including,				
		— moving assessment and	-			
		operational teams				
		— road clearance				
		— moving people affected by				
		disaster				
		— moving equipment and	-			
		supplies				
15	What are the	— trucking water.	Demonstra	005	CL 017	A OE 551 17
15	What are the	The following major risk areas	Remember	CO5	CLO17	ACE551.17
	Special rules in	must be subject to detailed control		J	-	
	areas of high	and regulation, even under			A	
	potential public-	extreme emergency conditions:				
	health risk?	— the continued operation or			100	
		recommissioning of large water-				
		supply systems that have been damaged		10		
		— the selection of sources for		1.1		
		emergency water supply	. 0.	-		
		— the emergency disposal of	1.1.4			
		toxic materials, especially soluble				
		industrial waste				
		— Large-scale feeding.				
		— Large-scale recurrig.				

Signature of the Faculty

HOD, CSE