

**INSTITUTE OF AERONAUTICAL ENGINEERING** 

(Autonomous) Dundigal, Hyderabad - 500 043

## **CIVIL ENGINEERING**

## DEFINITIONS AND TERMINOLOGY QUESTION BANK

Course Name		:	DISASTER MANAGEMENT AND MITIGATION
Course Code		:	ACE533
Program		:	B. Tech
Semester		:	V
Branch		:	Civil Engineering
Section	1	:	A & B
Academic Year		:	2018–2019
Course Faculty		:	Dr. JSR Prasad, Professor, Civil Engineering. Mr. S. Selvaprakash, Assistant professor Civil Engineering.

## **COURSE OBJECTIVES:**

The	The course should enable the students to:							
Ι	To help students to consider in depth the terminology and nomenclature used in the syllabus.							
II	To focus on the meaning of new words / terminology/nomenclature							

## **DEFINITIONS AND TERMINOLOGY QUESTION BANK**

						1
S. No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		MODULE-	I			
1	What is disaster?	Any occurrence that causes damage, ecological disruption, loss of human life, deterioration of health and health services, on a scale sufficient to warrant an extraordinary response from outside the affected community or area.		CO 1	11	ACE533.01
2	Explain Disaster prevention?	These are activities designed to provide permanent protection from disasters. Not all disasters, particularly natural disasters, can be prevented, but the risk of loss of life and injury can be mitigated with good evacuation plans, environmental planning and design standards. In January 2005, 168 Governments adopted a 10-year global plan for natural disaster risk reduction called the Hyogo Framework.		CO 1	1	ACE533.01

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	СО	CLO	CLO Code
3	What is a Disaster	This is a coordinated multi-	Understand	CO 1	1	ACE533.01
1	relief?	agency response to reduce the				
		impact of a disaster and its long-				
		term results. Relief activities				
		include rescue, relocation,				
		providing food and water,				
		preventing disease and disability,				
		repairing vital				
		services such as				
		telecommunications and				
		transport, providing temporary				
		shelter and emergency health		_		
4	Explain about	care. A landslide or landslip is a	Understand	CO 1	2	ACE533.02
	landslides?	geological phenomenon which	Understand	001	2	ACE355.02
	landshdes.	includes a wide range of ground				
		movement, such as rock falls,				
		deep failure of slopes and				
		shallow debris flows, which can				
		occur in offshore, coastal and on	5 5 5			
		shore environments. Although the				
		action of gravity is the primary				
		driving force for a landslide to				
		occur, there are other				
		contributing factors affecting the				
		original slope stability				
	What is manmade	A man-made disaster results from	Understand	CO 1	2	ACE533.02
	disaster?	man-made hazards (threats				
		having an element of human intent, negligence or error, or				
	50	involving a failure of a man-		_		
	-	made system). They differ from			1	
	<u> </u>	natural disasters that result from				2
	G	natural hazards.	Course Courses	- C	~	
6	Explain Disaster	These activities are designed to	Remember	CO 1	1	ACE533.01
	preparedness?	minimize loss of life and damage			1.00	
	-2	– for example by removing		-		
		people and property from a		10		
		threatened location and by	-	5		
		facilitating timely and effective		1.		
		rescue, relief and rehabilitation.	1 1 4			
		Preparedness is the main way of				
		reducing the impact of disasters.				
		Community-based preparedness				
		and management should be a high priority in physical therapy				
		practice management				
7	What are tropical	A tropical cyclone is composed	Understand	CO 1	2	ACE533.02
	cyclones?	of a system of thunderstorms that	Chaorbaila		-	1.01333.02
	- ,	shows a cyclonic rotation around				
		a central core or eye. A tropical				
		cyclone is a generic term for a				
1		storm with an organized system				
		storm with an organized system				
		of thunderstorms that are not				

S. No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
8	What is natural	An environmental hazard is a	Remember	CO 1	3	ACE533.03
	disaster?	substance, a state or an event				
		which has the potential to				
		threaten the surrounding natural				
		environment / or adversely affect				
		people's health, including				
		pollution and natural disasters				
		such as storms and earthquakes.		~~ ·		
9	What is manmade	A man-made disaster results from	Understand	CO 1	2	ACE533.02
	disaster?	man-made hazards (threats				
		having an element of human				
		intent, negligence or error, or				
		involving a failure of a man-				
		made system). They differ from natural disasters that result from				
		natural hazards.				
10	What is a Disaster	Hazard can be defined as a	Understand	CO 1	1	ACE533.01
10	management?	potentially damaging physical	Understand	01	1	ACE555.01
	management	event, social and economic				
		disruption or environmental	1 1 m			
		degradation. Typical examples of	1111			
		hazards can be absence of rain or	1			
		the abundance there of (leading				
		to floods).				
11	Define	A geological disaster occurs	Remember	CO 1	1	ACE533.01
	mangroves.	when natural geological				
	C	processes impact on our				
		activities, either through loss of				
		life or injury.				
12	Explain the term	A mangrove is a tree, shrub, palm	Understand	CO 1	1	ACE533.01
	Hydrological	or ground fern, generally				
	disaster?	exceeding one half metre in			- C	2
	1	height that normally grows above				
	0	mean sea level in the intertidal			4	
	0	zone of marine coastal	1			
		environments and estuarine			1	
12	Eurolain ab aut	margins.	Damarahan	CO 1	2	A CE522.02
13	Explain about	This involves lessening the likely	Remember	COT	2	ACE533.02
	Disaster mitigation?	effects of emergencies. These include depending upon the	0	~		
	mugauon:	disaster, protection of vulnerable				
		population and structure. For	1			
		example, improving structural				
		qualities of schools, houses and				
		such other buildings so that				
		medical causalities can be				
		minimized Similarly ensuring the				
		safety of health facilities and				
		public health services including				
		water supply and sewerage				
		system to reduce the cost of				
		rehabilitation and reconstruction.				
		This mitigation compliments the				
		disaster preparedness and disaster				
		response activities.				

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	СО	CLO	CLO Code
14	Explain the term	Human-instigated disasters are	Understand	CO 1	3	ACE533.03
	Manmade	the consequence of technological				
	disaster?	hazards. Examples include				
		stampedes, fires, transport				
		accidents, industrial accidents, oil				
		spills. War and deliberate attacks				
		may also be put in this category.				
		As with natural hazards, man-				
		made hazards are events that				
		have not happened.				
		MODULE-1	I			
1	What do you	An environmental hazard is a	Understand	CO 2	4	ACE533.04
	mean by	substance, a state or an event		)		
	Environmental	which has the potential to				
	hazards?	threaten the surrounding natural				
		environment /or adversely affect				
		people's health, including				
		pollution and natural disasters				
		such as storms and earthquakes.				
2	Explain about	A heat wave is a period of	Understand	CO 2	4	ACE533.04
	Heat waves?	unusually and excessively hot				
		weather. The worst heat wave in				
		recent history was the European	_			
		Heat Wave of 2003.A summer				
		heat wave in Victoria, Australia,				
		created conditions which fuelled				
		the massive bushfires in2009.				
		Melbourne experienced three	-			
	2	days in a row of temperatures				
	0	exceeding 40°C (104°F) with		_	1	
	~	some regional areas sweltering				2
	C	through much higher			-	
		temperatures.			~	
3	What is a	Disaster Management	Remember	CO 2	5	ACE533.05
	Disaster	Definitions. A hazard can be		-		
	management?	defined as a potentially damaging		18		
		physical event, social and		10		
		economic disruption or				
		environmental degradation.	1			
		Typical examples of hazards can				
		be absence of rain (leading to				
		drought) or the abundance there				
		of (leading to floods).		<i>c</i>		
4	Explain meaning	A physical hazard is an agent,	Understand	CO 2	5	ACE533.05
	of the term	factor or circumstance that can				
	Physical hazard?	cause harm with or without				
		contact. They can be classified as				
		type of occupational hazard or				
		environmental hazard. Physical				
		hazards include ergonomic				
		hazards, radiation, heat and cold				
		stress, vibration hazards, and				
		noise hazards.				

S. No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
5	Explain about	Anthropogenic hazards or	Understand	CO 2	5	ACE533.05
	Anthropogenic	human-made hazards can result				
	hazards or	in the form of a human-made				
	human-made	disaster. In this case,				
	hazards?	anthropogenic means threats				
		having an element of human				
		intent, negligence, or error; or				
		involving a failure of a human-				
		made system. This is as opposed				
		to natural hazards that cause				
		natural disasters. Either can result				
		in huge losses of life and property				
		as well as damage to peoples'				
		mental, physical and social well-				
		being.	Second Contraction	-		
6	Explain meaning	A railroad disaster is an	Remember	CO 2	5	ACE533.05
	of Rail disasters?	occurrence associated with the				
		operation of a passenger train				
		which results in substantial loss				
		of life. Usually accidents with	1 1 1 m			
		freight (goods) trains are not				
		considered disasters, unless they	1 A A			
		cause substantial loss of life or				
		property. One of the most				
		devastating rail disasters occurred				
		in 2004 in Sri Lanka when 1,700				
		people died in the Sri				
		Lankatsunami-rail disaster. Other				
		notable rail disasters are the 1989				
		Ufa accident in Russia which				100
		killed 574, and the 1917 Modena				
	0	train accident in France which			- C	2
		killed 540.		20.0		
7	What are the	Air pollution:- the release of	Remember	CO 2	5	ACE533.05
	Forms of Air	chemicals and particulates into	1			
	Pollution?	the atmosphere. Common			-	
	-7	gaseous pollutants include carbon				
0	<b>P</b> 11 1	monoxide, sulphur dioxide,	<b>D</b>	00.0		
8	Explain the term	Hydrological disasters are a	Remember	CO 2	5	ACE533.05
	Hydrological	violent, sharp and harmful	1.10			
	disaster?	amendment either in quality of	1 1 1			
		earth's water or in distribution or				
		movement of water ashore below				
		the surface or in atmosphere. A				
		flood is associate overflow of				
		associate expanse of water that				
9	Eveloir the trans	submerges land.	Domessi	CO 2	-	ACE522.0C
7	Explain the term	Meteorological disasters are	Remember	02	6	ACE533.06
	Meteorological disaster?	caused by extreme weather, e.g.				
	uisaster (	rain, drought, snow, extreme heat or cold, ice, or wind.				
		Examples of weather disasters				
		include blizzard, , droughts,				
		hailstorms, heat waves,				
		hurricanes, floods.				
		numeanes, mous.				

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	СО	CLO	CLO Code
10	Explain the term	Human-instigated disasters are	Understand	CO 2	6	ACE533.06
	Manmade	the consequence of technological				
	disaster?	hazards. Examples include				
		stampedes, fires, transport				
		accidents, industrial accidents, oil				
		spills and nuclear				
		explosions/radiation. As with				
		natural hazards, man-				
		made hazards are events that				
		have not happened—for instance,				
		terrorism.				
11	What is mean by	Planetaryhazardsanddisastersareo	Remember	CO 2	6	ACE533.06
	Planetary	ftwotypes:(a)Terrestrialorendoge				
	hazards?	nous hazards, (volcanic eruption,				
		Earthquake) and $(\beta)$ Atmospheric				
		or exogenous hazard (Cyclone,				
		Flood, drought) Anthropogenic				
		hazards and disasters are of				
		three types: (i) Physical hazards				
		(landslides, soil erosion,				
		Earthquakes)				
12	Difference	The difference between natural	Understand	CO 2	6	ACE533.06
	between natur <mark>al</mark>	and man-made disasters is the				
	and man-made	element of human intent or				
	disasters.	negligence that leads to human				
		suffering and environmental				
		damage; many mirror natural				
		disasters, yet man has a direct				
		hand in their occurrence. These				
		are the net result of inadequately				100
		managed man-made hazards and				
	0	they typically cost the most in			- C	
	-	terms of human suffering, loss of		_		
	0	life and long-term damage to a		× .	4	
	0	country's economy and				
10		productive capacity.		<u> </u>		
13	What is mean by	The kind of hazards which	Understand	CO 2	7	ACE533.07
	Extra Planetary	originate outside the earth and its		15		
	hazards?	atmosphere are called extra-		1		
1.4	<b>D</b> 11 1	terrestrial hazards.	D. I	00.0	_	A 07500 05
14	Explain the term	Similar to an asteroid, but	Remember	CO 2	7	ACE533.07
	Meteoroid &	significantly smaller. Mostly	1.000			
	comets?	debris of comets, sometimes				
		debris of asteroids. A bright tail				
		of light caused by a meteoroid				
		during its atmospheric flight, also				
		called a shooting star or falling				
1.5	<b>P</b> 1 1 1	star. A very bright meteor.	TT 1	<u> </u>	-	A GE 500.05
15	Explain the term	A solar flare is a sudden flash of	Understand	CO 2	7	ACE533.07
	Solar blasts?	increased brightness on the Sun.				
		Powerful flares are often, but not				
		always, accompanied by a				
		coronal mass ejection.				

S. No	QUESTION	ANSWER	Blooms Level	CO	CLO	CLO Code
		MODULE-I	II			
1	Explain	Mud volcanoes or mud domes are	Understand	CO 3	9	ACE533.09
1	Explain	formations created by geo-	Understand	005	,	ACE555.09
		excreted liquids and gases,				
		although there are several				
		processes which may cause such				
		activity. The largest structures are				
		10 kilometres in diameter and				
		reach 700 meters high.				
2	Explain about	Sub glacial volcanoes develop	Remember	CO 3	9	ACE533.09
	subglacial	underneath icecaps. They are				
	volcanoes?	made up of flat lava which flows				
		at the top of extensive pillow				
		lavas and aragonite. When the				
		icecap melts, the lavas on the top				
		collapse, leaving a flat-topped mountain. These volcanoes are				
		also called table mountains, tuyas				
		or (uncommonly) mobergs.				
3	What are the	Lava domes are built by slow	Understand	CO 3	9	ACE533.09
5	Lava domes?	eruptions of highly viscous lavas.	Onderstand	005		ACL555.07
	Luvu domes.	They are sometimes formed				
		within the crater of a previous				
		volcanic eruption (as in				
		MountSaint Helens), but can also				
		form independently, as in the				
		case of Lassen Peak. Like Strato				
		volcanoes, they can produce	_			-
		violent, explosive	- 11 -			
		eruptions, but their lavas			10	
		generally do not flow far from the				
	6	originating event.		00.0	1.0	
4	How Volcanoes	Distributed all over the world in	Remember	CO 3	10	ACE533.10
	are distributed?	different countries and continents			100	
		but are not found it every				
		<ul><li>country.</li><li>Found mostly on the coastline</li></ul>				
		Especially on tectonic plate	-	~		
		boundaries				
5	Explain the term	The term landslide or, less	Remember	CO 3	10	ACE533.10
	landslide?	frequently, landslip, refers to			10	TTO DO DO TTO
		several forms of mass wasting				
		that include a wide range of				
		ground movements, such as				
		rockfalls, deep-seated slope failures, mudflows and debris				
		flows. Landslides occur in a				
		variety of environments,				
		characterized by either steep or				
		gentle slope gradients: from				
		mountain ranges to coastal cliffs				
		or even underwater, in which				
		case they are called submarine landslides.				
		ianusnues.			I	

S. No	QUESTION	ANSWER	Blooms Level	CO	CLO	CLO Code
		Gravity is the primary driving force for a landslide to occur, but there are other factors affecting slope stability which produce specific conditions that make a slope prone to failure. In many cases, the landslide is triggered by a specific event (such as a heavy rainfall, an earthquake, a slope cut to build a road, and				
		many others), although this is not always identifiable.				
6	What is mean by fault?	Large faults within the Earth's crust result from the action of plate tectonic forces, with the largest forming the boundaries between the plates, such as subduction zones or transform faults. Energy release associated with rapid movement on active faults is the cause of most	Remember	CO 3	10	ACE533.10
7	Difference between fold and fault	earthquakes. Folding. A fold is a bend in the rock strata. Folding: Is a type of earth movement resulting from the horizontal compression of rock layers by internal forces of the earth along plate boundaries. A up fold is termed as anticlines. The down folds are termed	Remember	CO 3	11	ACE533.11
8	Explain the term	synclines. Intensity: The severity of	Remember	CO 3	11	ACE533.11
	Intensity.	earthquake shaking is assessed using a descriptive scale the Modified Mercalli Intensity Scale.			2	
9	Explain the term Magnitude.	Magnitude: Earthquake size is a quantitative measure of the size of the earthquake at its source. The Richter Magnitude Scale measures the amount of seismic energy released by an earthquake.	Understand	CO 3	11	ACE533.11
10	Explain the term Epicenter?	The epicenter, seismology is the point on the Earth's surface directly above a hypocenter or focus, the point where an earthquake or an underground explosion originates.	Remember	CO 3	11	ACE533.11
11	Explain the term Focus?	Focus-The location where the earthquake begins. The ground ruptures at this spot, then seismic waves radiate outward in all directions.	Remember	CO 3	12	ACE533.12
12	Explain the term Waves?	Earthquakes radiate seismic energy as both body and surface	Remember	CO 3	12	ACE533.12

S. No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
		waves. 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.				
13	Explain the term	A large wave on the ocean,	Understand	CO 3	12	ACE533.12
	Tsunami?	usually 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				
		damage when it encounters land.				
		Also called tidal waves.		<b>2</b> 20		
14	What is Distance	The distance to the center of the	Remember	CO 3	12	ACE533.12
	Between From	Earth is 6,371 kilometers (3,958				
	Earth to Core,	mi), the crust is 35 kilometers (21				
	Crust& Mantle?	mi) thick, the mantles is 2855km				
		(1774 mi) thick — and get this:				
		the deepest we have ever drilled				
		is the Kola Super deep Borehole,				
15	Will at is alata	which is just 12km deep.	I In denston d	CO 3	12	A CE522-12
15	What is plate	Plate tectonics is the theory that	Understand	05	12	ACE533.12
	tectonics?	Earth's outer shell is divided into				
		several plates that glide over the				
		mantle, the rocky inner layer above the core. The plates act				
		like a hard and rigid shell				
		compared to Earth's mantle				
		compared to Earth's manue				
		MODULE-J	V			
				<i></i>		
1	Explain abut Pre-	The first phase is focused on	Remember	CO 4	16	ACE533.16
	disaster stage	taking precautionary measures			-	
	(preparedness)?	before an actual disaster or				
		emergency takes place to reduce				
		its scope. Prevention includes the		~		
		process of danger identification,				
		assessment of life and property	1.1.1			
		threat in order to limit potential				
		causalities, and adverse impact of				
	The late of the	natural andtechnological hazards.	D	CO 4	10	A OE 522 1 6
2	Explain about	During a recovery phase, which	Remember	CO 4	16	ACE533.16
	Post disaster	takes place after an incident had				
	stage rehabilitation?	occurred, affected community is assisted in restoration of				
	renaointation?					
		concerned area. The phase comprises initial rehabilitation				
		during which services are				
		restored to their regular order, so				
		local governments and				
		responsible agencies regain the				
		ability to manage the ongoing				

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		recovery processes and repair of				
		social, physical and economic				
		damage. Recovery also concerns				
		long term reconstruction of				
		health, utility and communication				
		facilities.				
3	What is mean by	The intention of Disaster	Understand	CO 4	17	ACE533.17
	Disaster	preparedness is to prevent or				
	Preparedness?	minimize the losses and damage				
		in case of a disaster. This would				
4	XX71	include the preparedness of a	TT. 1	CO 4	16	A CE 522 1 C
4	What is mean by	The response phase includes the	Understand	CO 4	16	ACE533.16
	Response,	search and rescue; fulfilling basic	1.1			
	Recovery and Reconstruction	humanitarian needs of victims ;				
	Reconstruction	assistance by regional, national and international				
5	What is mean by	An environmental hazard is a	Remember	CO 4	16	ACE533.16
	What is mean by Environmental	substance, a state or an event	Kemember	004	10	ACE333.10
	hazards?	which has the potential to				
	nazarus:	threaten the surrounding natural				
		environment / or adversely affect				
		people's health, including	1			
		pollution and natural disasters				
		such as storms and earthquakes.				
6	Define hazard.	A hazard can be defined as a	Understand	CO 4	16	ACE533.16
		potentially damaging physical				
		event, social and economic				
		disruption or environmental		_		
		degradation. Typical examples of				
		hazards can be absence of rain				
		(leading to drought) or the	- 11 -			
	0	abundance thereof (leading to			- C	
		floods).Hazards can be the				
		creation of man or the		× .	4	
_	0	environment.		<b>GO</b> 4		
7	What is a	Disaster Management	Understand	CO 4	16	ACE533.16
	Disaster	Definitions. A hazard can be		0		
	management?	defined as a potentially damaging		63		
		physical event, social and economic disruption or		1		
		economic disruption or environmental degradation.		1		
8	What is pre	Disaster management is	Remember	CO 4	17	ACE533.17
	disaster	fundamentally disaster risk	Remeniber	00 7	1/	ACL333.17
	management?	management.				
	munugement.	There are three stages of the				
		disaster risk management which				
		are collectively called Disaster				
		Management Cycle. Broadly,				
		there are six phases in Disaster				
		Management Cycle viz.				
		Prevention, Mitigation,				
		Preparedness, Response,				
		Recovery and Reconstruction				
9	What are the	The four phases of disaster: 1)	Understand	CO 4	18	ACE533.18
	stages of disaster	mitigation;2) preparedness; 3)				

S. No	QUESTION	ANSWER	Blooms Level	СО	CLO	CLO Code
	management?	response; and 4) recovery. The				
		model helps frame issues related				
		to disaster preparedness as well				
		as economic and business				
10	<b>XXX</b> 1 01	recovery after a disaster.	<b>XX 1</b> 1	CO 4		
10	What are the five	Preparedness is a continuous	Understand	CO 4	16	ACE533.16
	phases of	cycle of planning, organizing,				
	emergency	training, equipping, exercising, evaluating, and taking corrective				
	management?	action. Training and exercising				
		plans is the cornerstone of				
		preparedness which focuses on				
		readiness to respond to all-	-			
		hazards incidents and	1.1			
		emergencies.		)		
11	What is disaster	Post-disaster rehabilitation and	Understand	CO 4	17	ACE533.17
	rehabilitation and	recovery encompass support				
	recovery?	strategies that are geared				
	2	towards the restoration of				
		human-centered services and	1 1 1			
		infrastructure, as well as the restoration of the physical and				
		ecological integrity of the				
		affected ecosystem.				
12	What are post	While Prevention, Mitigation	Remember	CO 4	17	ACE533.17
	disaster	and Preparedness include Pre-				
	activities?	disaster activities focussed on				
		reducing the human and				
		property losses caused by a potential hazard; Response,				
		Recovery and Reconstruction				
	50	include the Post-disaster		_		
	-	initiatives taken in response to a				
		disaster with a purpose to				2
	1	achieve early recovery.		<b>2</b> 2.1		
13	What is Post	Post-disaster recovery planning	Understand	CO 4	18	ACE533.18
	Disaster?	is a shared responsibility between individuals, private	1		- C	
	-12	businesses and industries, state			100	
	· · · ·	and local governments, and the		2		
		federal government. Post-		8.7		
		disaster recovery planning is				
		defined as	111			
		developing a set of strategies to assist a community in rebuilding				
		after a disaster occurs.				
14	What is	Disaster recovery (DR) is an	Understand	CO 4	18	ACE533.18
	workplace	area of security planning that				
	recovery?	aims to protect an organization				
	-	from the effects of significant				
		negative events. DR allows an				
		organization to maintain or quickly resume mission-critical				
		functions following a disaster.				
15	Explain meaning	Chemical hazards are defined in	Remember	CO 4	18	ACE533.18
	of the term	the Globally Harmonized			10	
	Chemical hazard?	System and in the European				
		Union chemical regulations.				
		They are caused by chemical				

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		substances causing significant damage to the environment. The label is particularly applicable towards substances with aquatic toxicity. An example is zinc oxide, a common paint pigment, which is extremely toxic to aquatic life.				
		MODULE-	V			
1	What are the four phases of emergency preparedness?	However, preparedness is only one phase of emergency management. Current thinking defines four phases of emergency management: mitigation, preparedness, response, and recovery. There	Understand	CO 5	19	ACE533.19
		are entire courses on each of these phases.				
2	How important is disaster preparedness?	The goal of disaster preparedness is to lessen the impact of disasters on vulnerable populations, to ready an organization for an influx of activity, and to design a coordinated plan that reduces the waste of resources, time, and efforts.	Remember	CO 5	19	ACE533.19
3	What are the steps in disaster management?	The four phases of disaster: 1) mitigation; 2) preparedness; 3) response; and 4) recovery. The model helps frame issues related to disaster preparedness as well as economic and business recovery after a disaster.	Understand	CO 5	19	ACE533.19
4	What are the aspects of emergency preparedness?	While preparedness is indeed the ultimate goal, it includes several key elements or missions. U.S. Presidential Policy Directive 8 outlines emergency preparedness and management efforts using these five interdependent mission areas: Prevention, Protection, Mitigation, Response and Recovery.	Understand	CO 5	19	ACE533.19
5	What are the mitigation of earthquake?	Earthquakes – Mitigation (Actions Before, During, After) Mitigation is deciding on which actions to take before, during, and after the next disaster — to reduce human and financial consequences later by analyzing, reducing, and insuring against risk.	Remember	CO 5	20	ACE533.19
6	What is mitigation and types of mitigation?	Types of Mitigation Actions. A mitigation action is a specific action, project, activity, or process taken to reduce or	Understand	CO 5	20	ACE533.20

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
		eliminate long-term risk to				
		people and property from hazards and their impacts.				
7	What is	Meteorological Observatory. a	Remember	CO 5	20	ACE533.20
,	Meteorological	scientific institution where	Remember	005	20	ACL555.20
	Observatory?	meteorological observations are				
		made and the meteorological				
		conditions of an oblast, krai,				
8	What is the large	republic, or country are studied. The GSAT series of	Understand	CO 5	20	ACE533.20
0	What is the long form of GSAT?	geosynchronous satellites is a	Understand	05	20	ACE555.20
	IOIIII OI USAT ?	system developed by ISRO with				
		an objective to make India self-				
		reliant in broadcasting services.	C	-		
9	How typhoons	The practice of naming storms	Understand	CO 5	21	ACE533.21
	are named?	has a long history. Before the 20th century, notable tropical				
		cyclones (also called typhoons				
		or hurricanes, depending on				
		geography)				
10	Who will name	In 2004, eight Asain countries	Remember	CO 5	21	ACE533.21
	cyclones?	came together and contributed a set of names to be used for				
		naming cyclones in the future.	1			
		Cyclone Fani, which is expected				
		to bring heavy rainfall to the				
		Indian coast this year was	-			
		named by Bangladesh. The next				
		cyclone will be named Vayu, a name contributed by India.				
11	Why is GIS	GIS is important today because	Understand	CO 5	21	ACE533.21
	important?	it is able to bring together	Onderstand	005	21	ACL555.21
	mportante	information from multiple				_
		sources so that various types of				
		work can be done. In order to do this, though, the data must be		-		2
		tied to a specific location on the				
		Earth's surface.			~	
12	What is spatial	Spatial data, also known as	Remember	CO 5	21	ACE533.21
	data?	geospatial data, is information			× .	
		about a physical object that can		18		
		be represented by numerical values in a geographic		8		
		values in a geographic coordinate system.				
13	What is the	Attribute data is the detailed data	Understand	CO 5	21	ACE533.21
	difference	used in combination with spatial				
	between attribute	data to create a GIS. The more				
	and spatial data?	available and appropriate				
		attribute data used with spatial				
		data, the more complete a GIS is				
		as a management reporting and				
		analysis tool Essentially, any				
		format of a geographical image				
		with location or co-ordinate				
		points can be used as spatial data.				
		·····				
14	How to improve	To Improve Visual Spatial	Remember	CO 5	21	ACE533.21
	your spatial	Intelligence				

S. No	QUESTION	ANSWER	<b>Blooms Level</b>	CO	CLO	CLO Code
	intelligence?	Use Spatial Language In Everyday Interactions. Teach Using Gestures And Encourage Kids to Gesture.				
15	What is Geographic Information Systems?	A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present spatial or geographic data.	Remember	CO 5	21	ACE533.21

