DM QUESTION BANK

UNIT-I

1 MARK

- 1. What is environmental hazard?
- 2, What is disaster management?
- 3. Define disaster management?
- 4. What are the different types of environmental hazards?
- 5. Define meteorological disaster?
- 6.List the causes of environmental pollution

12 MARKS

- 1.Distinguish between environmental stress, hazard and disaster giving examples
- 2. Explain the vulnerabilities to flood and earth quakes?
- 3. Explain briefly about the concept of environmental hazards and disaster
- Write about vulnerabilities to earthquakes and floods? .
- 5.Explain the types of disasters?
- 6. Write about different approaches for disaster?

DISASTER MANAGEMENT Question Bank

UNIT -T

- Mhat is Envisionmental hazard?

 An Envisionmental hazard is any condition, process
 or state adversely affecting the Envisionment.
- 2) What is Disaster Management?

 It is defined as the organization and managent of suspenses and suspensibilities for dealing with of suspenses and suspensibilities for dealing with all humanitarian aspects of Emergencies, in Particular preparedness, suspense & successful Disasters.

 Order to lessen the Impact of Disasters.
- 8) Define Disarter management? Catartrophe A sudden accident of a natural catartrophe that causes great damage or loss of life.
- 4) What are the Different types of Environmental hazards?

 chemical hazards

 Ribbogical hazards

 Ergonismic hazards

 Electrical hazards
 - Define meteorological Disarter.

 Meteorological Obsasters are Caused by Enturne meteorological Obsasters are Caused by Enturne wealter. Eq: Rolin, Drought, Snow, Extreme heat or cold.

6. List the causes of Environmental pollution?
senage
Industrial effluents
Agricultural runoffs
Toxic metals
Gaseous pollutants.

Distinguish Between Environmental Stress, hazard and disaster giving Examples.

//	Tour tour rank and	0 10,0	is total a
	-Environmental stress	Hazard	Disaster
	Invernmental stress of the emotional, cognitive and behavioural string. In the environmental string. If per of Environmental stress. Environmental string. Environmental stress. Cog: war, temperature Noise and Cowad that more impact of the environment factors can trigger stress.	It is phenomena Ithat has the Potential to Cause destination to life & property Types of hazardy Meteological Meteological Meteological Take et full after a levies Event, which might have be	The an Event their actually howns humans and distrupts the Operations of Society Types Agricultured disens 2) Danneging winds 3) Arought & water shotage 4) Has more Catical Has more Catastrophic. Ahap often happens in a short time, I'll Caming more
	V.	to happen	"le vie

Explain the rechnerabilities to flood and Earthquaker? Vulnerability à a set of prevailing or consequential Conditions, which adventey affect as individual, a household or a community, ability to mitigate, Prepare for respond to Any hazard.

Earthquake unhouability within minutes of shaking, the Earthquake reveals the vulnerabilities of buildings, households, communities, and of a country. The Consequences Expose flaws in governance, planning, soling of physical structures design, construction & use of the built in Envenonment in country with seizner hazard. It neveals the influence of prievailing culture & way of life, on the capacity of community to be preparedness for an Earthquake hazard. The scale of physical danage and sould discuption inflitted upon a Community of a nation by an Earthquake Event In the measure of how vulnorable lie community is.

Earthquake undnevability is they a frenching of the potential losses from Earthqualles. It suffects the wrattended weakness in the built Environment Of a community & the constraints in the society that affects ability to absorb larger after an Eastquale.

Floods reulnerability

Eyronue susceptibility & resilience.

when now falls, the sweface sunoff can move very quickly from mountainous of hilly areas to low lying

Human System are vulnerable to floods due to 3 vital aspects

Over more power to flooding. Human activities that deglade the Environment often increases flooding. There activities include Deforestation. Causes of floods

- 1 storm swiges
- 1 Melting snow & Jce
- 3 Wiban Devanage Bayling
- 4 Overflowing Rver
- 1 A lack of vegetation.
- (10) Measures taken to present flooding
 - 1 Introduce better flood warring system.
- 3 Modify homes & Business
- (3) Construct Buildings above floods levels
- @ Tadde climate change
- (5) Restore Rivers to their natural courses
- 1 protect wetland, and introduce plant trees
- F) Increase spending on flood defences
- (8) Introduce voater storage areas
- 1 Environment protection
- (16) Eco-freendly producti way &

Managing present day and future this from flooding involves a combination of sisk-avoidance & reduction silsk activities. 3) & Explain Braigly about the concept of Environmental hazards and disastes.

An Environmental hazard & a Substana, which has the potential to threaten the surviounding

natural Envisionment. Any single os combination of toxic chemical, biological, & physical agents in the Envisionment, Herulting from human activitée or natural processer, that may empact the health of Exported subjects, including pollutaril such as heavy metal, perticides Biological Contaminants, lovic work, Industrial and home chemicals.

Hazards are Catagorized in a types (1) chemical - painti, drogs, cosmetici, cleaning agenti etc.

2) physical — working from height, vibrations, loud noises etc.

3) Biological — Includes vibrunes, Bactéria, Inject.

4 pschosocial hazard - stress, Fatigue, Aggression.

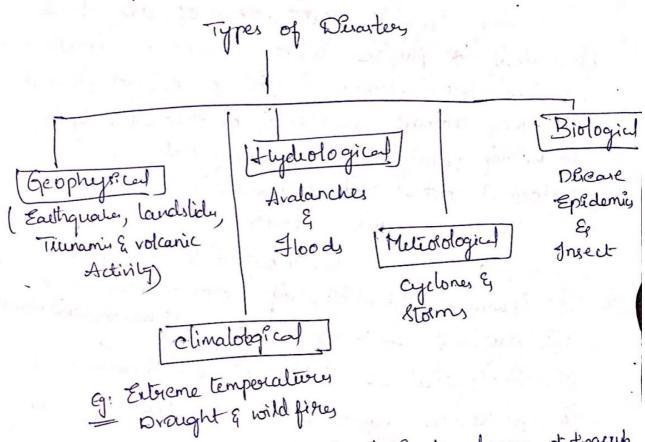
Prevention of Environmental hazards

control approaches and strategies.

O "plan aud" the Exposure, by not using hazardous Substances, or wing them in such a way that no one & Exposed.

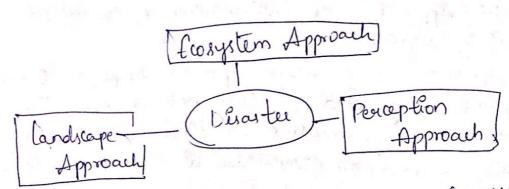
Devent or Minimize the Emission of the Substances to the air

Desartetz le a Serious disruption Occurring Over a stort or long period of time that causes widespread human, material, Economic of Envisonmental loss which Exceeds the ability of the affected community or Society to cope using it own respurses.



There are Direct and Indirect losses during who between the Ammediate & delayed losses as a result of disaster. Direct losses refer to the physical or structural Ampaut Caused by the disaster such as the destruction of Infrastructure Caused by the process of high winds, flooding or ground shalong.

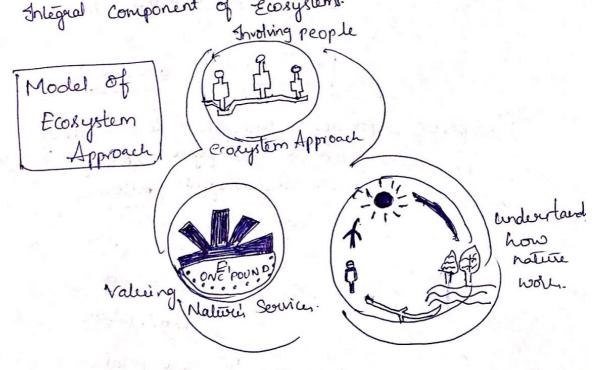
1) Déferent Approaches for Disartes Managent



Ecolystem Approach: An Ecolystem as a Community of 18 Brg organisms in Conjunction with the nonling component of their Environment.

It is a strategy for the integrated management of land, value and siving resources that promotes Conservation and sustainable use in an Equitable way.

It is focused on levels of biological organization which Encompare the essential processes, functions and recognize that humans, with their cultival diversity, are an Integral Component of Ecosystems.



LANDSCAPE is a flexible concept without a clearly. defined spatial Entitle or physical space. defined spatial Entitle or physical space. This Approach is an interdisciplinary, crossection & holistic approach.

Applying the landscape approach helps to Overcome baroviers by sector and contributes to effect think baroviers by connecting all statesholders involved, management by connecting all statesholders involved, starting with the communities at such in the landscape Sleps in landscape Approach

1. Frial Assessment!

2. Stakeholders Analysis

S. power mapping

3. Multi-stakeholder processes

4. Andepth problem & Solution Analysis

5. collaborative action

1

6. Implementation

1

7. Adaptive management

Perception Approach perception is a suality

The mental process of Solutifying, borting & asolanging

Atimulus data into meaningful pratterns.

Stages in perception

Approach

Stage I Salection
I Organization
I Interpolation

Explain the types of Desaster.

Désarter means a catastrophe, a mishap, a calamity or grave danger Event occurred in an area and affected life and properties.

It may be arriving from national or man-made Cause

Disasters are Broadly classified into two Catagories

Natural Directors

The disaster acus by natural process can be Called as Natural Disarter. i.e with natival calamities.

+lurer cares

landslides & Debufflow

Thurduslown

dornadoes

drunami

wildfire

Man-made (technological)

If the disasters are famed by reople through technology then called so.

_ Bhopal Gas dragedy

_ Deepwater Hogizon oillpill

_ charobyl Meltdown Werain

- Juliushima Mettdown Japan

_ Global warming

Causes of Natural Dévarters ave the unversept ve Events Hexilting from different natural processes. these natural Events Inggered by natural hazards Cause distruction of life & property as well.

Man-made disasters are the result of Corelisment of human everors during technological and Industrial live. The disasters are in the form of allident which occur all of a sudden & lake a huge toll on life and property. Mostly such olisasters cause injuries, diseases and asuallies where they occur.

Natural

De hunan influence.

2) Came Entenire damage and losses.

- 3) Preparation & damage control may minimize the effects.
- 4) Con be impacted by human activity.
- and contributing hazard

 Event.

Mar made.

Human actionly the direct cause.

Both intentional or unintentional causes have devaiting effects.

prevention, vigilance & planning may avoid at.

Cour be amplified by natural porcer.

come in various forms and often from an obscure origin.