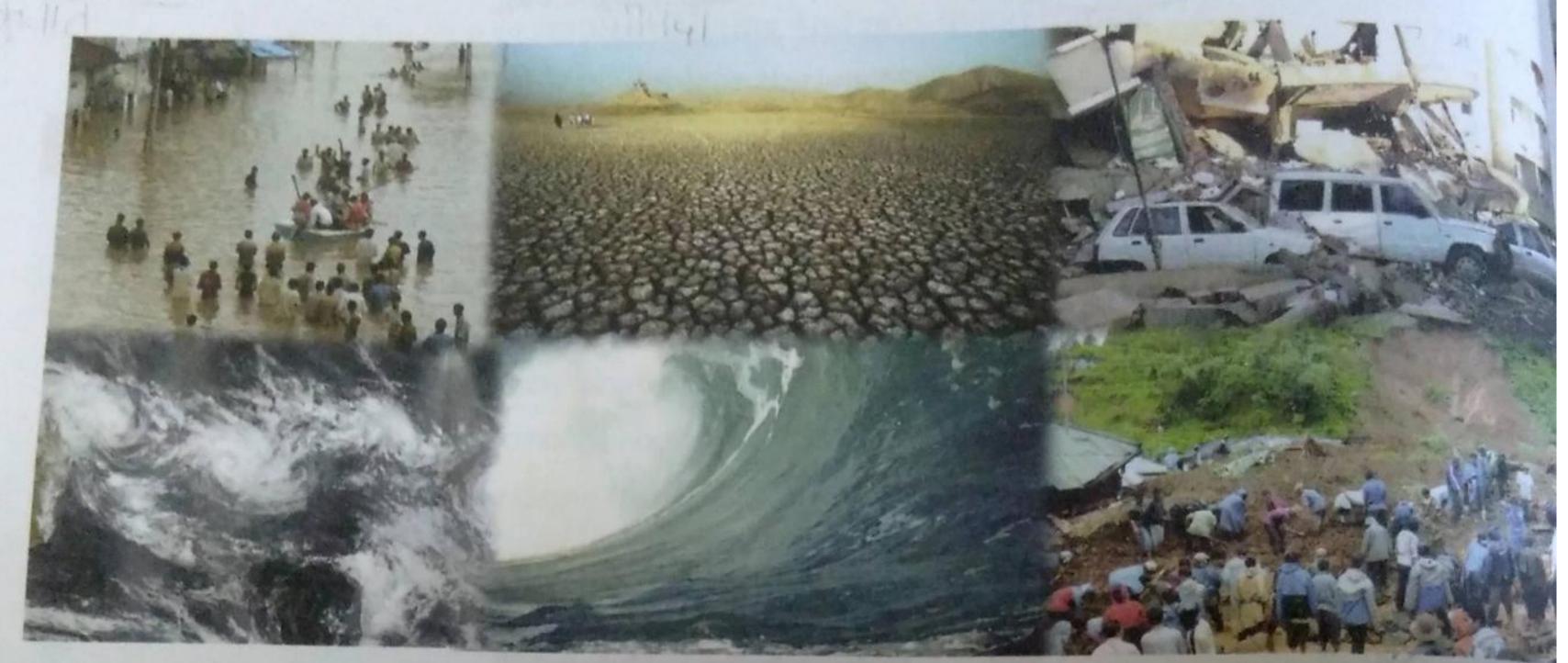
Natural Disasters and Mitigation

Nature has provided life on the earth. Nature is not only a creator of the different living and living things but it is also a destroyer of these things. Natural calamities are these destroyer. These are also known as the disasters. The disasters such as floods, droughts, earthquak cyclones, tsunamis, landslides and the forest fires cause great loss of life and property.



Natural disasters

Let us understand about these disasters. We will also learn about the organisations that he face these natural calamities. These organisations also ensure the role of individuals community while facing the challenges of such disasters.

FLOODS

Floods generally occur when there is a heavy rainfall. During heavy rains, rivers overflow and flood the surrounding areas. Excess rain and deforestation result in soil erosion in the mountains followed by floods in the plains. Floods cause

 Excessive loss of life and property. Houses are washed away, cattle die in large numbers and crops are destroyed.



Floods cause a great dama to life and property

For the Teacher: It is suggested to explain about the mitigation measures and the various agencies work rescue purposes.

Excellence in Social Studies-5



peath of many people because of drowning, snake bites, fever and infections after a flood.

pestruction of crops, occurrence of famine-like conditions.

pest of jobs, migration of people to cities in search of jobs. The farmers are the major victims. In India, Bihar, West Bengal and the north-eastern States suffer from heavy floods due to the overflowing of the rivers like Ganga and Brahmaputra every year.



prought causes food scarcity

a large number of cattle and people.

DROUGHTS

The excess rainfall causes floods while its scarcity causes droughts. In India, agriculture is the main occupation of three-fourth of the population. Farmers depend on the monsoonal rain from June to September. Monsoon provides water for growing crops. The monsoons in India are very erratic, sometimes they are early and other times, they are late. This results in the scarcity of food grains, starvation and death of

C-1

CYCLONES C-2

Cyclones occur due to the low-pressure systems towards which winds travel at great speed. The coastal belts in India are prone to cyclones. These areas experience a great difference between temperature and pressure conditions on land and sea.

 Near the coastal areas, water level rises suddenly and lashes onto the land destroying buildings and crops.

 Strong winds with speeds of over 100 km per hour or more uproot trees, telephone and electric poles and also destroy whatever comes in their way.



Cyclones cause destruction in coastal areas

(Cyclones are more frequent in the coastal Gujarat, Orissa, West Bengal and Andhra Pradesh.) In these areas, they have caused severe damage to life and property.



Earthquakes cause great damage

EARTHQUAKES AND LANDSLIDES

Sometimes there is a sudden shaking or trembling of the earth's crust. It is called an earthquake. Earthquakes are caused by the sudden movements or vibrations within the earth. Earthquakes of great intensity cause great damage to life and property. Our earth experiences countless earthquakes every year.



10: Natural Disasters and Mitigation

When a large amount of rock debris fall from high mountains towards a lower valley, it is called a landslide.

Earthquakes and landslides cause following destructions.

- Houses are destroyed. People and cattle are buried alive under the debris of broken houses, rocks and bricks.
- Earthquakes crack and break dams resulting in
- Landslides are common in hilly areas floods.

 Earthquakes have caused a lot of damage in Bhuj and Ahmedabad (Gujarat) and Uttarakhe Ro
- Railway lines break, roads get damaged and houses collapse.
- Earthquakes destroy many cities of the world every year causing widespread death an

Japan experiences the maximum number of earthquakes in the world. Every year it experiences hundreds of minor and major earthquakes. People in Japan do not make permanent houses due for fear of destruction. Earlier they made paper walls for their homes and kept minimum furniture. villages they build houses of wood and bamboo while buildings in cities use a special earthquake proof technology. These cause less harm when they fall due to the earthquakes.



Epidemics are the result of unhygienic conditions

EPIDEMICS C+5

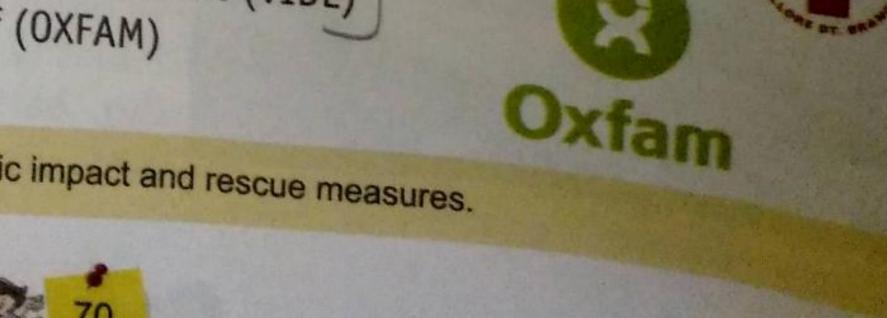
Mostly epidemics are the post-calamity impact Epidemics occur when diseases spread on a ven wide scale and cause a large number of death in a short period of time. Diseases like cholera gastroenteritis, measles, plague and malaria break out as epidemics due to unhygienic conditions after disasters like floods, heavy rainfall and earthquakes.

MITIGATION

Various national and international non-governmental organizations (NGOs) take initiative to provide relief and support to the people affected by natural calamities. Some of the organizations that provide help and support with money and manpower are

- The Prime Minister Relief Fund
- Volunteers for India Development and Empowerment (VIDE)
- The Oxford Committee for Famine Relief (OXFAM)

For the Teacher: Give emphasis on post-calamitic impact and rescue measures.



The Red Cross Society

The Nations International Children's Emergency Fund or UNICEF child Relief and You (CRY)

First Hand Foundation

Fight the Drought Funds

Many other agencies of the United Nations work actively to provide relief and help in the process Many other of disaster-affected people. The United Nations Disaster Management Team (UNDMT) in India comprises the UNICEF, UNESCO, ILO, FAO and WHO. All these organizations come forward to help in times of need.

Role Of Armed Forces During Disasters

The armed forces play a vital role during disasters. They organize rescue operations and help in clearing roads so that relief can reach early. They send medical units during emergency and help in the distribution of food, medicines and other relief materials.

- The air force helps in dropping food, water and clothes in the affected areas.
- The police try to maintain law and order during a disaster to prevent anti - social elements from looting (theft) and destroying shops and homes.



Armed forces provide relief material during disasters

During calamities, business houses, schools and colleges help to collect money, medicines, clothes, utensils, food, etc. as charity for the relief of the affected areas.

Role Of Media And Others

- Television, radio and newspapers also play a major role in connecting people and communicating messages to the disaster-affected people. They inform people about the disaster, so that they can help as much as possible. Army, Doctors, engineers and firemen play a major role during disasters.
- Doctors provide special help at such times.

Role Of The Community



Natural disasters always cause severe damages to life and property. People lose their loved ones and need concern, love and care. People need someone to talk to, to sympathize wit them and extend help. They need basi amenities like shelter, food, clothes an drinking water and medicines. It is the duty every community to arrange for food, water shelter and clothing for the affected people.

10: Natural Disasters and Mitigar

Let us Revise

The disasters such as floods, droughts, earthquakes, cyclones, tsunamis, landslides and the Floods generally occur when there is a heavy rainfall.

In India, Bihar, West Bengal and the north-eastern States suffer from heavy floods. The excess rainfall causes floods whereas its scarcity causes droughts. This results in the

Cyclones occur due to the low-pressure systems towards which winds travel at great speed. When a large amount of the earth and rock fall from high mountains towards a lower valley,

Epidemics occur when diseases spread on a very wide-scale and cause a large number of

Many national and international non-governmental organizations (NGOs) work to provide relief and support to the people affected by the natural calamities.

Television, radio and newspapers too play a major role in connecting people and communicating messages to the near and dear ones of the disaster-affected people.

Natural disasters cause a lot of damage to life and property.



A. Multiple choice question (MCQs).

Choose the correct option from the following:

1. Which of the following is not a natural disaster?

(a) Flood

(b) Earthquake

(e) Accident

(d) Cyclone

2. Which of the following statements regarding flood is wrong?

(a) It occurs due to heavy rainfall.

(b) It causes huge loss of property and life.

(e) It occurs only in hilly areas.

(d) It can destroy agricultural products.

3. The scarcity of water causes;

(a) landslides

(b) flood

(c) cyclones

(d) draught

4. Cyclones are frequent in the

(a) hilly areas

(b) coastal areas

(c) plateau regions

(d) None of these

5. Which of the following types of media help in connecting people during disasters?

(a) radio

(b) t.v.

(c) newspapers

(d) all of these

B. Very short answer type questions.

1. What does epidemics mean?

2. Name any two organisations that provide relief and support during natural calamities.

10: Natural Disasters and Mitigation

3. Who help in maintaining law 4. What is draught? Scarcity 5. Name the areas affected by the	and order during natural calamities? of kainfall is called draught. cyclones.
Contamentary type questions.	
1. What are the results of droug	
· - that hell duit	
4 II am a community can be neight	ui di
5. Give a short note on the post cal	amity impacts.
D Eill in the blanks	
	flood.
2 The main accumpation of people 18	S aam a man
3. There is a great difference between	en remperente and pressing
conditions on land and sea in cyc	clone prone areas.
4. Earthquakes are caused by Sudd	en movemen within the earth.
5. Epidemics are caused due to U	hhygienic conditions after disasters
6. Televisions, Acadio a connecting people.	and hewspaper play an important role
7. Natural disasters cause a great da	mage to life and
proporty.	
E. Correctly match List I with List II.	
List I	List II
(i) Floods	(a) rehabilitation of disaster-affected people
(ii) Droughts	(b) cholera, plague, measles
(iii) Epidemics	(c) rescue operation
(iv) Armed forces	(d) excessive rain
(v) UNDMT	(e) scarcity of food
	the security of food