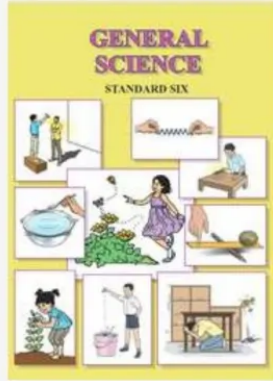


Maharashtra Board Solutions Class

6-Science: Chapter 4- Disaster Management

BOOK SOLUTIONS
CLASS 6
GENERAL SCIENCE

CHAPTER 4
Disaster Management



Maharashtra Board Solutions→

For any clarifications or questions you can write to info@indcareer.com

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Maharashtra Board Solutions Class

6-Science: Chapter 4- Disaster Management

Class 6: Science Chapter 4 solutions. Complete Class 6 Science Chapter 4 Notes.

Maharashtra Board Solutions Class 6-Science: Chapter 4- Disaster Management

Maharashtra Board 6th Science Chapter 4, Class 6 Science Chapter 4 solutions

Questions and Answers

1. What are the emergency contact numbers of the following:

Question a.

Police Control Room

Answer:

100

Question b.

Fire brigade

Answer:

101

Question c.

Ambulance

Answer:

102

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Question d.

National level single emergency number for disaster relief

Answer:

108

2. What first aid will you provide in the following situations?

- a. Dog bite
- b. Scratches/Bleeding
- c. Burns/Scalds
- d. Snakebite
- e. Sunstroke

Question a.

Dog bite

Answer:

First aid is some immediate aid given to a victim or patient before medical treatment is available.

1. Wash the wound with a soap solution.
2. Cover the wound with a clean and dry cloth.
3. Get a doctor's help.

Question b.

Scratches / Bleeding

Answer:

1. Make the person sit or lie down comfortably.
2. Clean the bleeding part of the body with water.
3. Keep it above the level of the heart.

Question c.

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Burns/scalds**Answer:****a. Minor burns**

1. The injured part should be washed with water or held underwater.
2. Give the victim water to drink.
3. Clean the wounds using a cotton swab soaked in an antiseptic solution.
4. Do not apply oily ointments.
5. Cover the wound using dry dressings.

b. Serious burns

1. Give emotional support.
2. Cover the wound with sterilised cloth.
3. Remove jewellery, shoes etc. if easily possible.
4. Do not touch or burst the blisters on the skin.
5. Do not apply oily ointments.
6. Do not try to remove the cloth if it is stuck to the burnt skin.
7. If the patient is conscious give water to drink but avoid tea or coffee or other stimulating drinks. Get medical aid at once.

Question d.**Snakebite****Answer:**

1. Wash the wound with water.
2. Give emotional support to the patient.
3. Tie a cloth tightly above the wound.
4. Get immediate medical help.

Question e.**Sunstroke****Answer:**

1. Take the patient to a cool place or in the shade.
2. Sponge the whole body with cold water.
3. Place a cloth soaked in cold water on the neck.

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4. Give plenty of water or liquids like sherbets to drink.
5. If the patient feels like vomiting make him prone i.e. on his/her abdomen with the head turned to one side.
6. Get medical help or shift the patient to a hospital.

3. Write the causes of the following:

- a. Floods
- b. Forest fires
- c. Landslides/building collapse
- d. Storms
- e. Earthquakes

Question a.

Floods:

Answer:

1. Floods is a frequently occurring natural disaster in all parts of the world.
2. Due to excessive rains in the same place, a river overflows its banks causing a flood.
3. The water drainage system in big cities falls short when there is heavy rainfall, resulting in choking of gutters and drainage lines.
4. Water overflows on to the roads and surrounding houses.

Question b.

Forest fires:

1. Forest fire is an uncontrolled fire in a forest, pasture or grasslands due to natural or man-made causes.
2. Natural causes of forest fire can be lightning, volcanic eruptions, friction amongst branches of trees in extremely hot and dry weather.
3. Man-made causes of forest fires are clearing land by burning which sometimes goes out of control.
4. Campers and hikers sometimes leave behind a potential source of ignition like a lighted cigarette or a campfire.

Question c.

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Landslides/building collapse:**Answer:**

1. Landslide causes due to erosion, slope movement in the downward direction, prolonged rainfall and seepage, vibration caused by earthquakes, deforestation, river erosion.
2. Building collapses: Bad design, faulty construction, foundation failure or weak foundation, extraordinary loads, earthquakes, rampant and irregular constructions.

Question d.**Storms:****Answer:**

The formation of high and low air pressure belts in the atmosphere causes changes in weather resulting in strong winds or storms.

Question e.**Earthquakes:****Answer:**

1. Movements in the interior of the earth release tremendous amount of energy.
2. This causes seismic waves leading to movement of the earth's surface like tremors, shaking, cracking up.
3. Such vibrations or quaking in the earth's crust is known as earthquake.
4. Man-made causes like mining, construction of big dams can also lead to earthquakes.

4. Answer the following questions.**Question a.**

What is meant by 'disaster'?

Answer:

A sudden event that causes large-scale damage to life, property and social aspects of a nation or society is called a disaster.

Question b.

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What are the types of disasters?

Answer:

Disasters are of two types: Natural disasters and man-made disasters.

Question c.

What is meant by disaster management'?

Answer:

Taking steps to prevent disasters, making plans to face disasters and developing the capacity for that is called disaster management.

Question d.

Which are the main components of disaster management?

Answer:

Emergency planning and implementation of disaster management work are the main components of disaster management. Community participation is close, related to disaster management.

5. Find out about the work of a 'Sarpa-mitra'.

Question a.

Find out about the work of a 'Sarpa-mitra'.

Answer:

1. A sarpa-mitra is a friend of snakes, a person who is trained to protect, save and safeguard snakes.
2. Whenever there is a phone call from police or citizens informing the sarpa-mitras about snake sightings, they immediately rush to the situation and rescue the snake that would have been killed at the hands of people.
3. Sarpa-mitra are well trained to handle snakes by capturing them, keeping them in baskets or bags before releasing them in the wild.
4. They are in contact with the Police Department and Forest Department for rehabilitation of snakes.

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5. Sarpa-mitra are also trained to perform primary first aid to snake bite victims before they are moved to hospitals.
6. Thus, the sarpa-mitra do a commendable job of saving snakes, saving human life without any monetary gains, but for sheer love of snakes.

6. Find out what a first aid kit / box contains.

Question a.

Find out what a first aid kit / box contains.

Answer:

1. First aid kit/box is a necessity at home, workplace, travelling, schools, etc.
2. It contains a cotton roll, sterilized dressing, a pair of scissors, Dettol or Savlon, Dettol soap, adhesive plaster, tablets like Crocin, necessary medicines – painkiller, Tincture iodine, Electrolyte powder, ear/eye drops, Potassium Permanganate crystals, Bumol ointment for cramps.

7. Suggest remedial measures for dealing with natural or man-made disasters.

Disaster	Remedy	Disaster	Remedy
Fire		Earthquake	
Building collapse		Deluge	
Road accident		Storm	
Flood		Tsunami	
War		Drought	
Bomb explosion		Landslide	

Question a.

Suggest remedial measures for dealing with natural or man-made disasters.

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Answer:

1. Fire: Use a fire extinguisher. Call the fire brigade. Run to a safe exit.
2. Building collapse: Evacuate the building immediately, seek shelter in other safe places. Call the fire brigade or rescue team. First aid should be given to injured people.
3. Road accident: Call the ambulance immediately. Give first aid if possible.
4. Flood: Do not linger in houses or areas near river banks. Seek shelter in other safe places. Move to safer places at a greater height. Do not step into water currents or drive a vehicle into them.
5. War: Take shelter in relief camps. Provide assistance in the rescue mission.
6. Bomb explosions: Take shelter in relief camps/safe place. Immediately call the police. Be alert and do not touch the unattended objects.
7. Earthquakes: Run to a safe place. Hide below a table and do not use elevators. Use a staircase.
8. Deluge: Take the warnings and signals from the Meteorological Department keep away from river banks and low-lying areas. Take shelter in relief camps.
9. Storm: Remain in a safe place. Unplug all electrical devices. Take instructions given to people by meteorological department do not take shelter in dilapidated structures and under trees.
10. Tsunami: Move to a safer place, stay alert.
11. Drought: Save water, take care of people and cattle.
12. Landslide: Landslide may be caused due to excessive rains or cloudburst in hilly areas. Do not take shelter at the foot of a hill.

Activity:**Question 1.**

Compile information about measures taken for disaster management in your school.

Question 2.

Make posters, advertisements, banners about disaster management.

Question 3.

Find out the people/organisations that provide aid during a disaster. Obtain their phone numbers, addresses, etc.

Important Questions and Answers**Fill in the blanks:**

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Question 1.

In 1993, many people died due to the earthquake at in Latur district.

Answer:

Killari

Question 2.

Even today, people of shudder at the memory of 26 July, 2005.

Answer:

Mumbai

Question 3.

In November 2015, many people died due to flooding caused by heavy rains in

Answer:

Tamil Nadu

Question 4.

Movements in the interior of the earth release tremendous amounts of

Answer:

energy

Question 5.

Vibrations or in the earth's crust is known as earthquake.

Answer:

quaking

Question 6.

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Man-made causes like and construction of big dams can also lead to earthquakes.

Answer:

mining

Question 7.

A frequently occurring natural disaster in all parts of the world is

Answer:

floods

Question 8.

Forest fires spread at a speed.

Answer:

tremendous

Question 9.

Landslides occur in hilly areas due to a

Answer:

cloudburst

Question 10.

To get protection from fire, use

Answer:

fire extinguisher

Match the following.

Question 1.

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Column 'A'	Column 'B'
1. July 2005	a. Floods in Tamil Nadu
2. July 2014	b. Floods in Mumbai
3. November 2015	c. Earthquake in Latur
4. 1993	d. Landslide in Pune

Answer:

Column 'A'	Column 'B'
1. July 2005	b. Floods in Mumbai
2. July 2014	d. Landslide in Pune
3. November 2015	a. Floods in Tamil Nadu
4. 1993	c. Earthquake in Latur

State whether the following statements are True or False. If false, correct them.

Question 1.

In 1993, many people died due to the earthquake at Malin in Pune district.

Answer:

False: In 1993 many people died due to the earthquake at Killari in Latur district.

Question 2.

Disaster Management Class 6 Exercise Even today, people of Mumbai shudder at the memory of July 2007.

Answer:

False: Even today people of Mumbai shudder at the memory of July 2005.

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Question 3.

Increased risk due to high density of population in a limited area can cause disaster.

Answer:

True

Question 4.

Earthquakes cause huge loss of life and property.

Answer:

True

Question 5.

Forest fire is a controlled fire in a forest, pasture or grassland.

Answer:

False: Forest fire is an uncontrolled fire in a forest, pasture or grassland.

Question 6.

Storms cause no disruption of electric supply.

Answer:

False: Storms cause disruption of electric supply.

Question 7.

Community participation is closely related to disaster management.

Answer:

True

Question 8.

National Disaster Management Authority was established in 2008.

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Answer:

False: National Disaster Management Authority was established in 2005.

Question 9.

During a disaster, keep watching movies on TV.

Answer:

False: During a disaster keep watching news bulletin on TV.

Question 10.

In case of a disaster, use the website [www. imd.gov.in](http://www.imd.gov.in)

Answer:

True

Answer the following in one sentence:

Question 1.

What are man-made causes of earthquakes?

Answer:

Mining, construction of big dams can lead to earthquakes.

Question 2.

What are forest fires?

Answer:

A forest fire is an uncontrolled fire in a forest, pasture or grassland due to natural or man-made causes.

Question 3.

State the website to seek government's help during disaster.

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-6-science-chapter-4-disaster-management/>

To seek government's help during a disaster we can log on to xvwww.imd.gov.in

Question 4.

Where should we take shelter during floods?

Answer:

We should seek shelter in safe places especially safer places at great heights.

Question 5.

What is sunstroke?

Answer:

When we work in the sun continuously for a long time, the body loses a lot of water and minerals. Hence, the person experiences sunstroke.

Question 6.

Name some poisonous snakes.

Answer:

Some poisonous snakes are cobras, kraits, vipers and sea snakes.

Question 7.

What should we do when we come across a snake?

Answer:

When we come across a snake we should contact a sarpa-mitra.

Question 8.

What is first aid?

Answer:

Immediate aid given even before medical treatment is available on facing a disaster or accident is first aid.

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Answer the following questions briefly:

Question 1.

What are the effects of an earthquake?

Answer:

The effects of an earthquake are:

1. Destruction of infrastructure i.e buildings, bridges, roads, railway tracks.
2. Change in the direction of the flow of river.
3. Huge loss of life and property.

Question 2.

What are the effects of floods on people?

Answer:

1. There is a huge loss of life and property.
2. Soil erosion
3. Destruction of standing crops.
4. After-effects of floods, like spread of diseases and epidemics affecting the health of the people.

Question 3.

What are the effects of storms?

Answer:

1. Great damage in the storm affected region.
2. Tremendous losses to life and property.
3. Disruption of electric supply.
4. Disruption of transport and communication.

Question 4.

What are the effects of forest fires?

Answer:

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1. Great damage to natural wealth and bio-diversity.
2. Pollution of air.

Question 5.

What preventive measures should we take to protect us from fire?

Answer:

To get protection from fire, use fire extinguishers in public places like schools, hospitals, railway stations.

Question 6.

What first aid can be provided to a person if he is bleeding?

Answer:

If a person is bleeding, first make him sit or lie down comfortably. Clean the bleeding part of the body with water and keep it above the level of the heart.

Give scientific reasons:

Question 1.

Why should a dog bite victim get an injection of the anti-rabies vaccine?

Answer:

In a dog bite, there is a risk of infection of rabies through the blood, hence anti-rabies injection is given to the patient.

Question 2.

During a disaster if possible we should take shelter in relief camps.

Answer:

Relief camps provide medicines, food packets, drinking water and first aid. Since these things help victims to restart, people should take shelter in relief camps during a disaster.

Question 3.

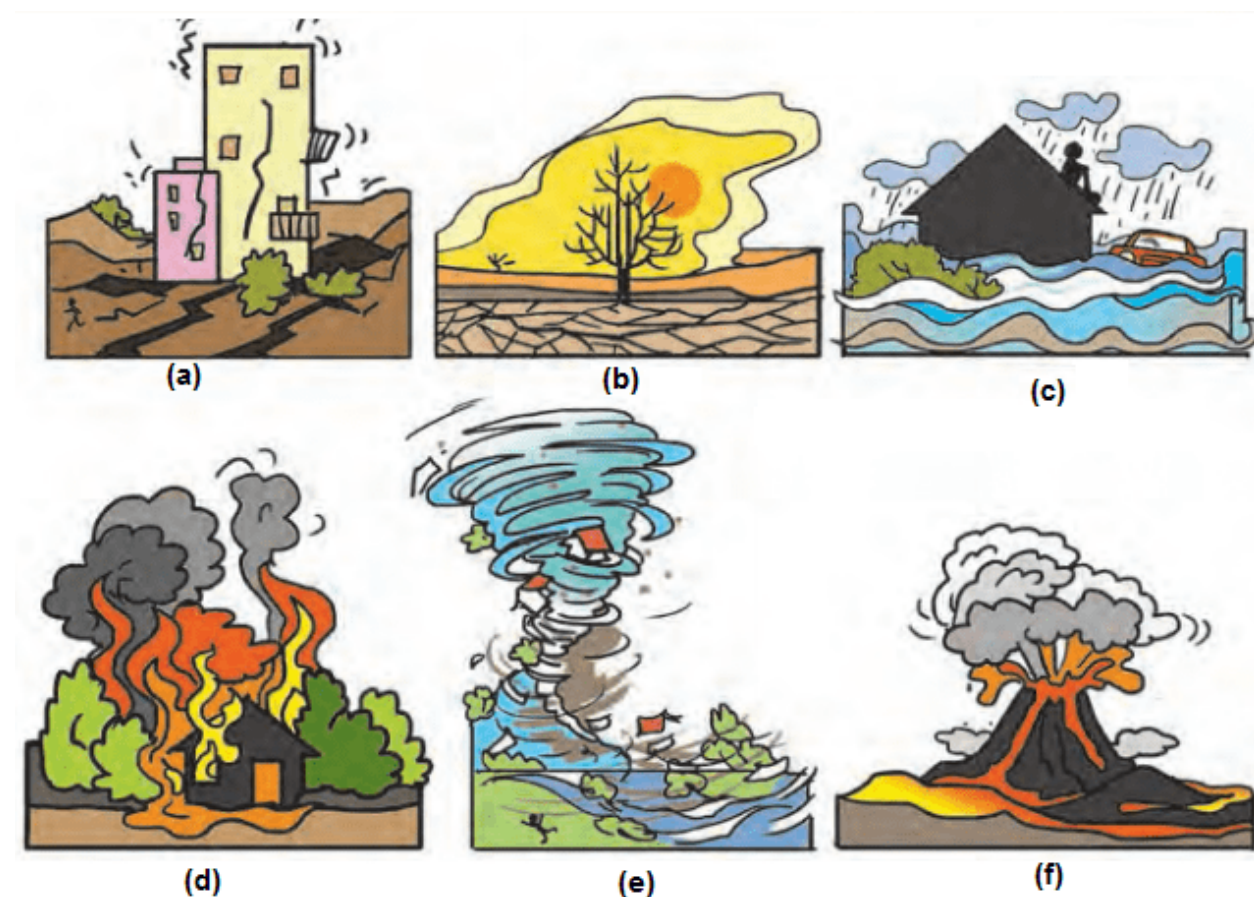
During disaster use battery operated radios and mobile.

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Answer:

During disaster, many times there is disruption of electricity, hence battery operated mobiles and radios are convenient.

Can you tell?



Question 1.

What event do you see in these pictures?

Answer:

In this picture we see –

(a) earthquakes

(b) drought

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- (c) flood
- (d) fire
- (e) storm
- (f) volcanic eruptions.

Question 2.

What would you have done in these situations?

Answer:

In these situations I would have tried to save my life. (Answer:wers may vary)

Question 3.

Have you experienced such a situation yourself?

Answer:

No. (Answer:wers may vary)

Question 4.

Why do these events occur?

Answer:

This events are disasters and some occur naturally and some are man-made.

Question 5.

According to you, what can be done to deal with such a disaster?

Answer:

To deal with such a disaster, take help of some elders or ask for help immediately. Be alert and use first-aid / get some immediate aid even before medical treatment becomes available.

Use your brainpower!

Question 1.

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What disaster can occur in school or on the way to school?

Answer:

1. Disasters that can occur in school: Fire in the school building, experience tremors of earthquake, school building collapses, slab in one of the classroom collapses, getting injured while playing, getting an electric shock.
2. Disasters that can occur on way to school: You meet with an accident while crossing the road or school bus meets with an accident. Area near school gets flooded.

Classify the following disasters as man-made or natural.

(fire, earthquake, leakage of chemical gases, storms, floods, tsunami, bomb explosions, collapse of a building, war, forest fire)

Answer:

Man-made disasters	Natural disasters
1. Fire	1. Earthquake
2. Leakage of chemical gases	2. Storms
3. Bomb explosion	3. Floods
4. Collapse of a building	4. Tsunami
5. War	5. Forest fire
6. Forest- fire	

Can you tell?

Question 1.

How many children are there in your class at present?

Answer:

There are 50 children in my class at present. (Answers may vary)

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Question 2.

What would happen if five times this number sat in your class?

Answer:

If five times this number sat in my class, the classroom would be crowded. There will be utter chaos.

Question 3.

Which kind of disaster can occur in an extremely crowded places?

Answer:

In an extremely crowded place there can be panic in the classroom, stampede while going out of the classroom, breathless among fellow students.



Maharashtra Board Solutions

Class 6 Science

- Chapter 1- Natural Resources - Air, Water and Land
- Chapter 2- The Living World
- Chapter 3- Diversity in Living Things and their Classification
- Chapter 4- Disaster Management
- Chapter 5- Substances in the Surroundings - Their States and Properties
- Chapter 6- Substances in Daily Use
- Chapter 7- Nutrition and Diet
- Chapter 8- Our Skeletal System and the Skin
- Chapter 9- Motion and Types of Motion
- Chapter 10- Force and Types of Force
- Chapter 11- Work and Energy
- Chapter 12- Simple Machines
- Chapter 13- Sound
- Chapter 14- Light and the Formation of Shadows
- Chapter 15- Fun with Magnets
- Chapter 16- The Universe

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The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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