

Chapter 2: The Interrelationships between living things

Q. 1. Fill in the blanks by choosing the appropriate words given in the brackets :

(seasons, Konkan, copper, insecticides, nectar, rainy season, gobar gas, needs, paangal)

- (1) After rainy season winter comes again.
- (2) We keep animals because animals meet some of our needs.
- (3) We spray insecticides to prevent insects from attacking plants.
- (4) Winter is also known as the season of paangal.
- (5) Butterflies feed on the nectar. of flowers.
- (6) A combustible gas called gobar gas is obtained from cattle dung.
- (7) Forest appears copper colour because the leaves are reddish in the beginning of summer
- (8) The Konkan region in Maharashtra is particularly famous for its mangoes.
- (9) Changes in the seasons affect living things.

Q. 2. Write whether the following sentences are True or False:

- (1) There are no differences in the needs of different living things. False
- (2) If aquatic plants are given more water they start rotting. False
- (3) Tiger remains hidden due to the stripes on its body and can catch the prey. True
- (4) Sheep gives silk to man. False
- (5) Cattle gives pellets which are good as a manure. False
- (6) Plants give us abundantly. True
- (7) We use cotton clothes in summer. True
- (8) The end of the rainy season is also the time for the mango trees to start blossoming. False
- (9) The cashew apples are red yellow in the colour. True
- (10) Farmers work hard in the fields. True

Q. 3. Match the columns :

(1) What do animals give us?

Column 'A'	Answers	Column 'B'
(1) Silkworm	Silk Clothes	(a) Pellets
(2) Sheep	Wool	(b) Guards the house
(3) Dog	Guards the house.	(c) Gobar gas
(4) Cattle	Gobar gas.	(d) Silk clothes
(5) Goat	Pellets	(e) Wool

(2) What do the animals eat?

Column 'A'	Answers	Column 'B'
(1) Chameleons	Insects	(a) Grass
(2) Snake	Rats, Frogs	(b) Shrubs
(3) Tiger	Deer	(c) Rats, frogs
(4) Sheep and Goats	Shrubs	(d) Deer
(5) Cows and Buffaloes	Grass	(e) Insects

3) When does this happen?

Column 'A'	Answers	Column 'B'
(1) Mohur of mango tree	End of winter.	(a) In rainy season
(2) New leaves on trees	Beginning of Summer.	(b) Beginning of rainy season
(3) Cashew nut season	In summer.	(c) End of winter
(4) Jackfruits in the market	Beginning of rainy. season.	(d) In summer
(5) Farming	In rainy season.	(e) Beginning of summer

Q. 4. Answer in one sentence each:

(1) Which needs of ours are fulfilled by the nature?

Ans. Food, clothing, water, shelter, air, etc are our needs that are fulfilled by the nature...

(2) Which animals live in the grasslands?

Ans. Deer, nilgai and bison live in the grasslands...

(3) Where does tiger take shelter?

Ans. Tiger take shelter in the caves in hills or mountains.

(4) From what are dung cakes made? What is the use of dung cakes?

Ans. Dung cakes are made from the excreta of cattle and these are used as fuels.

(5) Name two fruits which are seen in the market during the summer season.

Ans. Watermelons and mangoes are seen in the market. Summer seasons.

(6) Which fruits are seen when the rainy season is a short way away?

Ans. Jamun, karavandas and jackfruits are seen when the rainy season is a short way away.

(7) Why is winter called season of paangal or falling of leaves?

Ans. Winter is called season of paangal or falling of leaves because many trees shed their leaves in winter.

Q. 5. Give reasons:

(1) A tiger has stripes.

Ans. A tiger lies in wait for its prey among tall grasses. Its prey cannot see it in the grass because of the stripes. Therefore, tiger has stripes on the bodies.

(2) We keep different domestic animals with us.

Ans. We get milk, meat, eggs and several other things from animals. Domestic animals are also used to help with the heavy farm work in fields. Dogs guard our houses while sheep give us wool. Hence, we keep domestic animals with us.

Q. 6. Answer the following questions :

(1) How are plants useful to us?

Ans. Plants are useful to us in the following ways:

- a) Plants give us foodgrains, vegetables and fruits.
- b) We use plants for many different purposes.
- c) We get flowers from plants.
- d) We also get cottonwool from the plants to make cotton Clothes

(2) What is meant by arboreal animals?

Ans. Arboreal means those living in trees. Arboreal animals take the support of the trees to live. Monkeys and Squirrels are arboreal animals

(3) What changes do we see in trees at the beginning of March?

Ans. In the beginning of march season, many trees get... new leaves. Forest appear to have taken on a copper colour. because these leaves are reddish and shiny. These are the changes that occur in the trees as the weather starts becoming warmer.

(4) How does man take care of his domestic animals?

Ans. Man takes care of the domestic animals by looking after them. We also feed them. We take to a vet if they fall ill for the medical treatment.

(5) What are the uses of excreta of domestic animals for man?

Ans. Excreta of domestic animals. can be useful in several ways:

- a) It is used as fertilizer

- b) Cow dung can be converted into gas called gobar gas
- c) Excreta can be turned into compost to improve garden soil
- d) Excreta is mixed with clay to make walls and floors

(6) How do animals help the plants?

Ans. Animals help the plants following ways

- a) Bees and butterflies move pollen between flowers
- b) Animals carry seeds to new places
- c) Animals like worms loosen the soil.
- d) Animal waste adds nutrients to the soil.

Q. 7. Can you tell? (Textbook page B)

If fish leave the water, will they be able to live on land?

Ans. No, fish can't live on land. They can only take up oxygen dissolved in water. For this respiration, they use their gills. They cannot respire on land and would thus die.

Q. 8. Think and tell: (Textbook page 15)

(1) If it rains heavily for two or three days, water collects in fields, the crops growing there rot. Why?

Ans. If it rains heavily for two to three days, water collects in fields, causing crops to rot. This happens because the roots can't get enough oxygen and start to die. Also, too much water damages the roots and allows fungi to grow which rots the crops.

(2) Why do we not get a good crop if we do not get good rains?

Ans. We don't get a good crop without good rains because plants need water to grow. Without enough rain, the soil stays dry, and the plants can't get the water they need to produce healthy crops.

(3) Why does the Indian rat snake (Dhaman) live around fields?

Ans. The Indian rat snake, also known as the Dhaman, lives around fields because it preys on rodents that are common in agricultural areas. Fields provide ample food sources for the snake, such as rats and mice, which helps it find the necessary food for survival.

(4) If there are furry animals living in snowy regions, would their coats be thick or sparse?

Ans. Furry animals living in snowy regions typically have thick coats. The thick fur helps insulate them against the cold temperatures and keeps them warm.