

Teacher's Manual

Science



Science - 1

Chapter 1 : Things Around Us

A. 1. (b) 2. (b) 3. (b)

B. 1. natural 2. move 3. food 4. living

C. 1. T 2. F 3. T 4. F

D. **Living Things** : 1. Dog 2. Cat 3. Cow

Non-living Things : 1. Chair 2. Table 3. Book

- E. 1. Some things have life they are called living things and things do not have life they are called non-living things.
2. Things that are found in nature are called natural things.
3. Things that are made by man are called man-made things.
4. Living things need air, water and food to grow and to get energy. But non-living things do not grow, feel, breathe, eat food or reproduce.

Let's Have Fun: M, M, N, N

Chapter 2 : Plants in our Surroundings

A. 1. (c) 2. (c) 3. (a) 4. (b) 5. (c)

B. 1. tree 2. smaller 3. many 4. water, soil 5. herb

C. 1. (v) 2. (iii) 3. (iv) 4. (ii) 5. (i)

- D. 1. Very big and strong plants are called trees.
2. Plants that grow along the ground are called creepers and some plants cannot grow straight. They need support to stand and are called climbers.
3. Herbs have a soft and green stem.
4. Because thorns protect the plants from being eaten by animals.

Let's Have Fun : 1. LEAVES 2. ROOT 3. STEM 4. SEED 5. BUD
6. FRUIT

Chapter 3 : Useful Plants

A. 1. (c) 2. (c) 3. (a)

B. 1. coffee 2. fruits, juice 3. seeds 4. spices 5. almond, walnut

C. 1. T 2. F 3. T 4. T

D. 1. (iii) 2. (iv) 3. (v) 4. (ii) 5. (i)

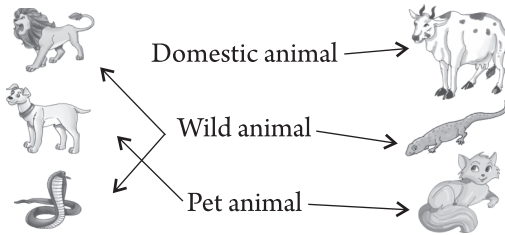
E. 1. carrot, radish 2. cabbage, spinach 3. apple, mango 4. broccoli, cauliflower

- F. 1. Plants give us many useful things like oxygen, medicines, wood and food.
2. The seeds of plants, which we eat as food are called cereals.
3. Coffee, cocoa and tea are the drinks. They are called beverages.
4. We add spices to our food to give it taste, colour and smell.

Let's Have Fun : Mango, Radish, Apple, Ginger, Turnip, Banana

Chapter 4 : Kinds of Animals

- A.** 1. (c) 2. (b) 3. (c)
B. 1.wild 2.beak 3.ant 4. ostrich, penguin 5. snake
C. 1. T 2. T 3. T 4. F 5. F
D.



- E.** 1. Wild animals live in forests and domestic animals live near our houses and farms.
 2. Animals that crawl and have scales or hard shells on their body are called reptiles.
 3. Insects are very small animals. They have six legs. Housefly, butterfly and cockroach.
 4. Sheep and cow are useful animals. We get wool from sheep and milk from cow.
 5. We should treat them with love and care.

Let's Have Fun :

L	I	O	N	K	H	O	R	S	E	S
I	R	C	O	W	E	W	A	Z	L	P
Z	Z	T	I	P	N	Q	B	R	E	A
A	D	O	G	A	S	D	B	F	P	R
R	M	P	L	K	J	F	I	S	H	R
D	N	U	U	W	D	A	T	L	A	O
N	R	S	N	A	K	E	T	V	N	W
P	E	N	G	U	I	N	L	D	T	N
Q	O	L	P	S	H	D	E	W	X	Y
C	O	C	K	R	O	A	C	H	R	Z

Chapter 5 : Shelters of Animals

- A.** 1. (a) 2. (b) 3. (c) 4. (c)
B. 1. plant 2. flesh 3. grain 4. insect
C. 1. F 2. F 3. T 4. T 5. T
D. 1. cow, horse 2. lion, tiger 3. sparrow, parrot 4. dog, bear 5. frog, lizard
E. 1. Animals need food to stay alive and grow.
 2. Animals that eat plants and leaves are called herbivores and animals that eat flesh are called carnivores.
 3. (a) shed (b) stable (c) kennel

Chapter 6 : Our Body

- A.** 1. (c) 2. (a) 3. (b)
- B.** 1. different 2. legs 3. hands 4. five
- C.** 1. F 2. T 3. F 4. T
- D.** Nose, Eye, Hand, Leg, Ear
- E.** 1. We use our hands to write and holding the things.
2. There are five sense organs in our body.
3. Sense organs help us to identify the things around us. We can see, hear, smell, feel and taste with the help of sense organs.
4. Nose helps us to smell things.
5. Skin is the largest sense organ of our body.

Let's Have Fun : (a) Tongue (b) Teeth (c) Eyes (d) Nose

Chapter 7 : Healthy Food

- A.** 1 (a) 2. (c) 3. (c) 4. (b)
- B.** 1. milk 2. plants 3. play 4. afternoon
- C.** 1. T 2. T 3. F 4. F
- D.** Hen-egg, Cow-milk, Plants-vegetables
- E.** 1. Breakfast – egg, bread 2. Lunch – rajma, rice 3. Dinner – daal, chapati
- F.** 1. We need food to eat, grow and keep us active.
2. We get food from animals and plants.
3. The food that we eat at a fixed time is called a meal.

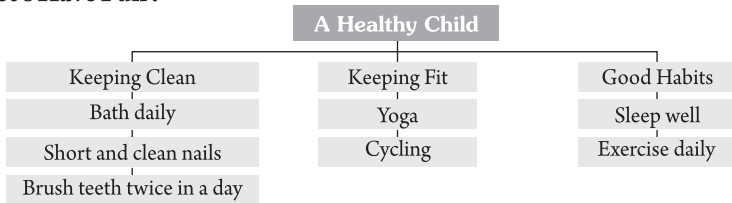
Model Test Paper - 1

- A.** 1. (c) 2. (b) 3. (a) 4. (c)
- B.** 1. T 2. F 3. T 4. F
- C.** 1. wild 2. play 3. ant 4. Ostrich, penguin
- D.** 1. Some things have life they are called living things and things do not have life they are called non-living things.
2. Very big and strong plants are called trees.
3. Plants give us many useful things like oxygen, medicines, wood and food.
4. Animals that live in forest are called wild animals and that live near our house or on farms are called domestic animals.
- E. One seed :** Mango, **Few seeds :** Apple, **Many seeds :** Watermelon

Chapter 8 : Keeping Ourselves Healthy

- A.** 1. (c) 2. (c) 3. (c)
- B.** 1. dustbin 2. dirty 3. eight 4. exercise 5. meal
- C.** 1. T 2. T 3. T 4. T
- D.** 1. (iv) 2. (iii) 3. (ii) 4. (i)
- E.** 1. exercise daily 2. keep ourselves clean 3. bath daily
- F.** 1. Brush our teeth twice in a day, wash our hands before and after every meal, comb our hair properly and bath daily with clean water.
2. We should develop good habits to stay healthy and should be careful to keep ourselves and our surroundings clean.
3. Yoga and skipping.

Let's Have Fun :



Chapter 9 : Being Safe

- A.** 1. (a) 2. (c) 3. (a)
- B.** 1. footpath 2. blades 3. jump 4. road 5. wet
- C.** 1. F 2. T 3. F 4. T 5. T
- D.** 1. (i) Do not play with sharp and pointed objects.
(ii) Do not play with fire.
2. (i) Do not run in corridor.
(ii) Do not push each other on swings.
3. (i) Wait for the bus in a queue.
(ii) Get into the bus when its our turn.
4. (i) Play games in a safe way.
(ii) Follow the rules of the game.
- E.** 1. Safety means to stay away from danger. To keep safe we must follow safety rules.
2. We should not play on terrace because its not safe.
3. First aid is the immediate help given to an injured person.
4. We should play in a park and playground.

Chapter 10 : Clothes and Shelter

- A.** 1. (b) 2. (c) 3. (c) 4. (b)
- B.** 1. umbrella 2. clean 3. sheep 4. cotton
- C.** 1. T 2. T 3. T 4. T 5. T 6. T
- D.** 1. (iii) 2. (iv) 3. (v) 4. (i) 5. (ii)
- E.** 1. Summer 2. House 3. Cotton 4. Umbrella 5. Winter
- F.** 1. We wear clothes to cover and protect ourselves from heat, cold, rain, dust and insects.
2. We all need a house to live in. Our house protects us from heat, cold, rain, animals and thieves.
3. We get cotton from cotton plants.
4. We wear woollen clothes in winters.
5. Kuchcha houses are mainly found in villages and pucca houses are mainly found in towns and cities.

Let's Have Fun :

- Drawing room, Bedroom, Kitchen, Bathroom, Kitchen, Study room,
- Houseboat, Stilt house, Igloo, Tent

Chapter 11 : Air Around Us

- A.** 1. (b) 2. (b) 3. (c) 4. (a) 5. (b)
- B.** 1. breathe 2. wind 3. blows 4. air 5. weight
- C.** 1. F 2. T 3. T 4. T
- D.** 1. All living things need air to breathe.
2. Fish breathe through gills.
3. When wind blows very fast, it is called storm.
4. Flute or mouth organ.

Chapter 12 : Water - A Precious Resource

- A.** 1. (a) 2. (b) 3. (b)
- B.** 1. tap 2. fire 3. rain 4. water tank 5. boil, filter
- C.** 1. (iv) 2. (iii) 3. (ii) 4. (i)
- D.** 1. Wells, rivers and ponds.
2. Water is essential for all living things. All living things need water to drink for stay alive.
3. Water can be cleaned at home by boiling and filtering.
4. We can get sick by drinking dirty water.

Chapter 13 : Weather

- A.** 1. (b) 2. (a) 3. (c) 4. (b)
- B.** 1. hot 2. rainy 3. winter 4. cotton
- C.** 1. F 2. T 3. F 4. T
- D.** 1. (ii) 2. (iii) 3. (v) 4. (i) 5. (iv)
- E.** 1. Weather is the day-to-day conditions of a particular place.
2. We can see a rainbow after it rains.
3. There are five seasons in a year : (i) Summer season (ii) Rainy season
(iii) Autumn season (iv) Winter season (v) Spring season
4. We wear raincoats when we go out in the rain.
5. We wear woollen clothes during cold weather to keep ourselves warm.

Let's Have Fun :

Things Used During Summer	Things Used During Winter	Things Used During Rain
① Cooler	① Woollen clothes	① Raincoats
② Cotton clothes	② Tea and coffee	② Umbrellas
③ Fans	③ Heaters	③ Waterproof footwear
④ Air conditioner	④ Bonfires	④ Rain jacket

Chapter 14 : The Earth

- A.** 1. (c) 2. (b) 3. (b) 4. (c) 5. (a)
- B.** 1. globe 2. clean, fresh 3. three-fourth 4. Earth
- C.** 1. Globe is a model of the Earth.
2. The low and flat land is called a plain.
3. We can make the air fresh and clean by growing plants.

Let's Have Fun :

Across (→) : 1. MOUNTAIN 2. DESERT

Down (↓) : 3. RIVER 4. SEA

Chapter 15 : The Sun, Moon and Stars

- A.** 1. (a) 2. (c) 3. (b)
- B.** 1. east, west 2. Sun 3. light, heat 4. rain
- C.** 1. F 2. T 3. T 4. F
- D.** 1. The Sun gives us light and heat.
2. The Moon keeps changing its shape.

3. Dark clouds usually bring rain.
 4. Neil Armstrong was the first man to land on the Moon.
- Let's Have Fun:** Evening, Night, Day

Model Test Paper - 2

- A.** 1. (a) 2. (b) 3. (a) 4. (b)
- B.** 1. F 2. T 3. T 4. T
- C.** 1. east, west 2. Sun 3. light, heat 4. rain
- D.** 1. Wells, rivers and ponds.
2. All living things need air to breathe.
3. We should develop good habits to stay healthy and should be careful to keep ourselves our surroundings clean.
4. Dark clouds usually bring rain.
- E.** 1. (i) Do not play with sharp and pointed objects.
(ii) Do not play with fire.
2. (i) Do not run in corridor.
(ii) Do not push each other on swings.
3. (i) Wait for the bus in a queue.
(ii) Get into the bus when its our turn.
4. (i) Play games in a safe way.
(ii) Follow the rules of the game.