

Ch-1 : Parts of Our Body

Page 8

Let's Do

72,76

Page 9-10

Exercises

- A. 1. Brain - Thinking
 2. Heart - Pumping of blood
 3. Lungs - Breathing
 4. Stomach - Digestion of food
 5. Muscles - Running
- B. 1. brain 2. pumps 3. breathe
 4. stomach 5. Bones
- C. 1. Our heart pumps blood to all parts of our body.
 2. Our lungs help us to breathe.
 3. The food we eat goes into our stomach. Stomach helps us to digest food.
 4. Bones are very hard that give shape to our body. They also protect the inner organs of our body. Bones of our body are joined together to form a framework called skeleton.
 5. Muscles are the fleshy part just like strings. Muscles help our bones to move and do different activities such as moving, running, jumping, writing.

Nut Cracker

Eyes - seeing, Ears - hearing
 Nose - smelling, Tongue - tasting,
 Skin - feeling hot or cold

HOTS

Skin

Ch-2 : Growth

Page 13

Let's Do

1. taller 2. longer 3. strong

Page 13

Let's Do

Students have to find it themselves

Page 14-16

Exercises

- A. 1. A baby becomes a boy when he grows.
 2. (a) man (b) woman
 3. A man or a woman becomes an adult when he/she grows and then they become old.
 4. We need good food and regular exercise to grow well.
- B. 1. eight
 2. Student has to answer.
 3. Student has to answer.
 4. Student has to answer.
 5. Good food, regular exercise and proper care of our body make us grow faster.
- C. 1. taller 2. heavier 3. smaller
 4. older 5. older
- D. Students have to answer.

Nut Cracker

Students have to answer.

HOTS

- (a) Man (b) Woman

Ch-3 : Celebrations and Festivals

Page 18

Let's Do

1. cake 2. candle 3. knife
 4. balloon 5. birthday cap
 6. buntings 7. sweets 8. chocolate
 9. game

Let's Do

Students have to colour earthen diyas.

Page 24-25

Exercise

- A. 1. Diwali is also called the festival of lights. It is celebrated to memorise Lord Rama and his wife Sita's return to Ayodhya, after 14 years of exile.
- 2. Christmas is celebrated by the Christians on the birthday of Lord Jesus Christ on 25th December every year.
- 3. On the Republic Day, the President of India takes salute from the Indian Army, Navy and the Air Force. He unfurls the national flag.
- 4. Mahatma Gandhi is called the 'Father of our Nation.'
- 5. Gurupurabs the religious festival of Sikhs. It is celebrated as the birthdays of the ten Sikh gurus.
- B. 1. Durga 2. lights 3. Ramzan
4. Jesus Christ 5. Prime Minister
- C. Students have to do it.

Nut Cracker

Birthday of Sikh Gurus - Gurupurab, Bhajan at Rajghat - Gandhi Jayanti, Lights and diyas - Diwali, Unfurling of national flag at Red fort - Independence Day, Parade on Vijay Path - Republic Day, Peace and brotherhood - Eid, Goddess Durga - Dussehra, Birthday of Jesus Christ - Christmas

HOTS

Jan-gan-man..... is our national anthem. It is written by the great poet, Ravindranath Tagore. It is sung on the Republic Day and the Independence Day and other government celebrations.

Page 28-29

Exercise

- A. 1. × 2. × 3. × 4. ✓
5. ✓
- B. 1. dustbin 2. thank you
3. helpful 4. neat and tidy
5. quarrel
- C. 1. I keep my room neat and tidy.
2. I respect and obey my elders.
3. I am helpful to other family members.
4. I obey my teachers.
5. I always reach school on time.

Nut Cracker

Bad habits	Good habits
Reaching school late	Reaching school on time
Not being kind to pet	Being kind to pet
Plucking flowers from the garden	Not plucking flowers from the garden

HOTS

I shall touch their feet and help them in everything they need.

Ch-5 : A Good House

Page 33-34

Exercise

- A. (i) A Good House : Sunlight, Fresh air, Cleanliness
(ii) A Bad House : Darkness, Dust, Insects, Dirty
- B. 1. germs
2. cross-ventilation
3. clean and tidy
4. wire netting
- C. 1. T 2. F 3. T 4. F
5. F

- D. 1. (a) sunlight
(b) cross-ventilation
(c) wire-netting
2. Sunlight is very important for us. It kills the germs that cause diseases to us. It makes a house warm and cheerful. This helps in keeping ourselves healthy.
3. A good house must have windows and ventilators that allow fresh air to come in. A ventilator is an opening near the ceiling of the room.
4. The doors and windows should have proper grills and wire netting. These stop mosquitoes, flies, rats and lizards from entering our house.
5. A house must have cross-ventilation i.e. doors and windows of a house should face each other. It allows the air to pass through the house easily.

Nut Cracker

1. Arrangement for exchange of air - ventilation
2. Arrangement for keeping away mosquitoes - wire-netting
3. Making good light arrangement - lighting
4. Keeping house clean - cleanliness

HOTS

Students have to discuss with their friends. Some steps for keeping the surrounding clean are to picking up wastes, sweeping, plantation, etc.

Ch-6 : Parts of A Plant

Page 36

Let's Do

- (a) Thick trunk - 1. Peepal 2. Banyan
(b) Thin woody trunk - 1. Tulsi 2. Rose

Page 38-39

Exercise

- A. 1. STEM 2. BRANCH
3. LEAVES 4. FLOWER
5. ROOT
- B. 1. peepal 2. Neem
3. Rose 4. Tulsi
- C. 1. Root 2. trunk
3. green 4. lotus
5. rose
- D. 1. Root goes into the soil. It helps the plant in the following ways:
(i) It helps the plant to stay upright.
(ii) It helps the plant to collect water and minerals from the soil.
2. A stem is the backbone of the plant. It supports the plant. Stem also helps to distribute water and food to all parts of the plant.
3. Most plants have green leaves. They help to prepare food for the plant.
- E. Students have to do it.

Nut Cracker

Carrot - root, Onion - stem, Spinach - leaves, Marigold - flower, Tomato - fruit

HOTS

Yes, it is root.

Ch-7 : Fruits, Vegetables and Seeds

Page 43

Let's Do

1. (a) mango (b) plum
2. (a) apple (b) orange
3. (a) guava (b) papaya

Page 44-45

Exercise

- A.** 1. (a) spinach (b) cabbage
2. (a) spinach (b) cabbage
3. (a) apple (b) plum
4. (a) banana (b) mango
5. (a) grapes (b) orange
- B.** potato - ×, peas - ✓ turnip - ×
carrot - ×
- C.** 1. Flower grows into a fruit.
2. Seed contains in them food for the new plant inside it.
3. A seed needs water, air and warmth to grow.
- D.** Students have to do it.

Nut Cracker

Rose - flower, Mango - fruit, Potato - stem, Gram - seed

HOTS

Root goes under the ground and shoot comes out as stem and leaves.

Ch-8 : Useful Plants

Page 48

Let's Do

1. Root vegetable : beetroot, ginger, carrot
2. Fruits: mango, apple.
3. Leaf vegetable: spinach
4. Grains: rice, wheat
5. Seeds: dal, gram
6. Stems: sugarcane

Page 52

Let's Do

- | | |
|---------------------------|-----------|
| 1. fruits | 2. fruits |
| 3. fruits, root and stems | 4. fruits |
| 5. seed | 6. flower |
| 7. fruit | 8. stem |

Page 53-54

Exercise

- A.** 1. fruit 2. root 3. leaves
4. root
- B.** 1. Plants give us air to breathe.
2. Plants give us food.
3. Plants give us fibres.
4. Plants give us oil.
5. Plants give us gum.
- C.** Eggs - ×, Pencil - ✓
Gum - ✓, Pen - ×
Comb - ×, Tea cup - ×
Perfume - ✓, Cloth - ✓
Book - ✓, Ring - ×
- D.** 1. (a) carrot (b) radish
2. (a) cotton (b) jute
3. (a) making door (b) making furniture

Nut Cracker

1. Neem - medicine
2. Rose - perfume
3. Cocoa beans - coffee
4. Bamboo - basket
5. Coconut - sweets

HOTS

These can be used to make manure.

Ch-9 : Animal World

Page 56

Let's Do

Students have to answer these questions.

Page 57

Let's Do

Students have to do it.

Page 59-60

Exercises

- A.** 1. (a) lion (b) monkey
2. (a) tiger (b) elephant

3. (a) cow (b) camel
 4. (a) dog (b) cat
 5. (a) tiger (b) lion

- B.** 1. (a) cow (b) buffalo
 2. (a) hen (b) duck
 3. (a) goat (b) hen
 4. (a) sheep (b) goat

C. 1. Some animals live in forests. They are called wild animals. Lion, tiger, giraffe, elephant, bear and fox are some of the wild animals.

2. Cow and buffalo are domestic animals.
 3. We should take good care of our pets. We should give them clean food and water. We should also provide them clean and comfortable shelter. We should never tease our pets.

4. (a) sparrow (b) duck

Nut Cracker

Running animals : horse, dog, camel, cat, tiger, fox

Flying animals : eagle, crow, sparrow, parrot

HOTS

Students have to answer it.

Ch-10 : Animal Homes, Babies and Sound

Page 64

Let's Do

Students have to do it.

Page 64-65

Exercise

- A.** 1. (c) 2. (d) 3. (e) 4. (f)
 5. (b) 6. (a)
- B.** 1. Wild animals live in forest. They make their home themselves.
 2. Domestic and pet animals live in a home made by people for them.

- C.** 1. ROAR 2. MEW
 3. CHIRP 4. GRUNT
 5. BARK 6. QUACK
 7. NEIGH

Nut Cracker

Students have to draw the line.

HOTS

I shall make them know that animals are also like us. They feel pain if beaten.

Ch-11 : Air

Page 67

Let's Do

Students have to see.

Page 69

Let's Do

Students have to make a wind-vane.

Page 70-71

Exercise

- A.** 1. smoke 2. microscope
 3. water vapour 4. storm
 5. wind vane
- B.** 1. Air contains gases, vapour and many small particles of dust and ash. Air contains many gases only. Like oxygen, nitrogen and carbon dioxide, etc. Air contains water vapour.
 2. Smoke come out of factories and vehicles. It is also caused by burning of something or cooking.
 3. Oxygen gas is necessary to live. Some gases like carbon dioxide, etc. are poisonous.
 4. Moving air is called wind.
 5. A strong wind is called gale.

C. 1. WATER VAPOUR

2. DUST 3. POLLUTION
 4. SMOKE 5. GASES

Nut Cracker

1. Planting more trees
2. Watering plants regularly
3. Using other clean sources of energy such as solar and water.
4. Water spraying to reduce pollution

HOTS

I can ask people for using clean sources of energy and I shall ask them for using some clean vehicles such as e-scooter, e-rickshaw, etc.

Ch-12 : Water

Page 78-79

Exercise

- A. 1. solid 2. gaseous 3. rain
4. evaporation
- B. 1. The three states of water are - solid, liquid and gas.
2. The water evaporates when it is heated
3. The process of changing of water vapour back into water is called condensation.
4. Rain is the main source of water. We get water from river also.
5. We can clean water by boiling or filtering it.
- C. 1. evaporation
2. evaporation
3. condensation
4. evaporation
- D. Students have to do it themselves.

Nut Cracker

1. By stopping misuse of water.
2. By not leaving tap water running.
3. By getting leaked pipe repaired.
4. By avoiding wastage of water.

5. By using mug and bucket for taking bath

HOTS

1. Some water sources like wells can be cleaned and covered.
3. We should stop throwing wastes in rivers, ponds, etc.

Ch-13 : Means of Communication

Page 83

Let's Do

Students have to do it.

Page 83

Let's Do

Students have to do it.

Page 85-86

Exercise

- A. Fastest : telephone, Slowest : postcard
- B. Train, Pencil, Parrot, Pigeon
- C. 1. Address 2. Sports page
3. channel 4. e-mail
5. Number
- D. 1. Sending and receiving ideas, informations and messages is called communication.
Sources that we use to communicate are called means of communication.
2. (a) newspaper (b) radio (c) television
3. (a) mobile (b) computer
- E. Students have to give answer.

Nut Cracker

To read about the word news - newspaper,
To talk to your friend at distant place - telephone

To see and hear the daily news - television

Write mail on computer - e - mail.

HOTS

mobile

Ch-14 : Directions

Page 88

From Raju's House

1. north 2. east 3. west 4. south

Page 89

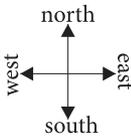
Let's Do

1. north 2. west 3. east 4. south

Page 90-91

Exercise

A. 1.



- B. 1. F 2. F 3. T 4. T
5. F

- C. 1. (a) east (b) west (c) north (d) south
2. (a) east (b) west
3. south

D. Students have to do it.

Nut Cracker

Students have to do it.

HOTS

map of the place

Ch-15 : Seasons

Page 93

Let's Do

Students have to do it.

Page 94

Let's Do

Students have to make a rain-gauge with

the given details.

Page 95-97

Exercise

- A. Fan S Air-conditioner S
Sweater W Ice-cream S
Gloves W Cap W
Cold drink S Room heater W

- B. 1. winter 2. spring
3. autumn 4. rains
5. summer

- C. 1. (a) summer (b) winter (c) rainy
(d) spring (e) autumn

2. It is hot in the summer season.

3. During the monsoon, it rains.

4. In winter season, we feel cold. We wear woollen clothes and like to stay near fire or heater.

- D. 1. Rainy season from July to September.
2. Winds bring lots of rain clouds over the sky.
3. It rains almost everyday.
4. We wear raincoats and use umbrellas to keep us dry.
5. This is the best time for the new plants to grow.

- E. 1. cotton T-shirt
2. Cold drink

Nut Cracker

Students have to do it.

HOTS

Students have to answer.

Ch-16 : The Earth and The Sky

Page 102-103

Exercise

- A. Students have to colour the drawing.
- B. 1. Takes 24 hours for the earth to complete one rotation.
2. Rotation of the earth on its axis cause day and night.
3. (a) full moon (b) new moon
4. The revolution of the earth around the

sun causes changes in seasons.

5. Neil Armstrong was the first man to walk on the moon.

C. Students have to do it.

Nut Cracker

1. lunar eclipse 2. solar eclipse

HOTS

The daytime in summer is longer because the earth is closer to the sun during this season.