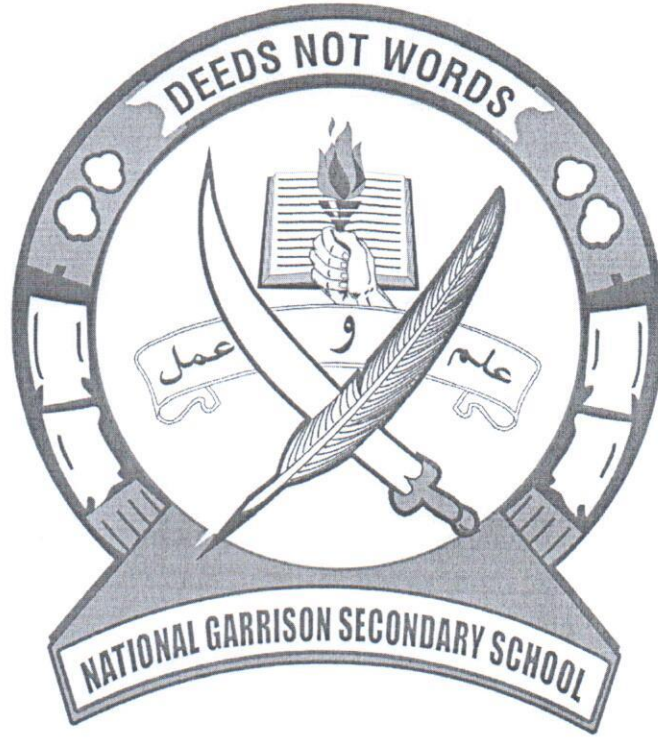


NATIONAL GARRISON SECONDARY SCHOOL



Class: Two

Subject: Science

Satellite Town Campus

3/A, Satellite Town, Adda Gulberg Road,
Rahim Yar Khan.
068-5875725, 068-5885525, 068-5877525

Tooba Campus

191/A Block-X, Scheme No. 2,
Gulshan-e-Iqbal, Rahim Yar Khan.
068-5901066, 068-5901077

Qasim Campus

Behind Rehmat Market,
Gulshan Abad Colony, Kot Samaba.
068-5000761, 068-5566725

Science

①

Unit: 1

The Human body

Words

Meanings

Joint

جُڑ

Bones

ہڈیاں

Run

دوڑنا

Skeleton

ڈھانچہ

Short answers

Q.1 How many bones are there in human body?

Ans 206 bones.

Q2 What we call the place where two bones meet?

Ans Joint.

Long answers.

Q:1 What is a skeleton?

Ans The bones of our body make up our skeleton.

Q2 Why do we need muscles and joints?

Ans Bones do not work alone. They move with the help of muscles and joints.

Q3 Name the five senses?

Ans 1 Sight 2 Hear 3 Taste 4 Smell 5 Touch

Q4 Name the five organs of sense.

Ans 1 Eye 2 Ear 3 Tongue 4 Nose 5 Skin

Exercises. (2)

1 Choose the correct answers.

(i) What we call the place where two bones meet?

- a organ b muscle c joint d link

(ii) Which of these in the name for the bones in the head.

- a skill b skull c spine d joint

(iii) Which of these is NOT one of the five senses?

- a sight b belief c hearing d touch

(iv) Which is the odd one out?

- a hip bone b rib c jaw bone d skin

(v) Which part of the body is used to breathe with?

- a brain b heart c lungs d stomach

2 How many joints are there in these body parts? Use the pictures in this unit and your own body to find the answers.

(i) middle finger 3

(ii) thumb 2

(iii) arm 3

3 Which bones protect the following important organs?

(i) heart and lungs. ribs

(3)

(ii) nerves in the spine. back bone

(iii) brain skull

5 Write in the blank columns the name of the sense organs and senses you will need to experience the items and actions in column 1. Some may need more than one sense / organ.

action / item	organ	sense
perfume	nose	smell
sunshine	skin	touch
soap	nose	smell
pickle	tongue	taste
drumming	ears	hear
sunset	eyes	sight
sandpaper	skin	touch
clouds	eyes	sight
singing	ears	hear
fur	skin	touch
banana	tongue	taste

Label the picture.

Look at the pg 3

(4)

Unit: 2 Health and Safety.

Words

Meanings

Health

صحت

Clean

صاف

Animal

جانور

Plants

پودے

Water

پانی

Short answers

Q1 Why is it important to wash our hands before eating?

Ans Staying safe.

Q2 Which water is drinkable?

Ans Clean water.

Long answers

Q1 What do our muscles need in order to work?

Ans Muscles need food and exercise to work

Q2 Why do we need food?

Ans We all need food to live.

Exercises

1 Choose the correct answer.

(i) Which of these are ways to look after your body?

a Drink clean water and eat healthy food

b Exercise and breathe fresh air.

(5)

Get plenty of rest.

d. all of the above

(ii) Which of these is not a healthy food?

a. banana b. tomato c. bread d. french fries

(iii) Which of these is not safe?

a. running with scissors b. stroking your pet cat

c. having swimming lessons d. eating food at a party

(iv) We should not eat berries from plants

we do not know because they might

a. be poisonous

b. be too delicious

c. fill you up

d. have ants on them

(v) Why should we follow rules?

a. They hurt us

b. They keep us safe

c. They are dangerous

d. They make us happy

4. Choose the correct word from the brackets to fill in the blank.

(i) To stay healthy, we must not eat too much junk food. (healthy, junk)

(ii) We should drink 6 to 8 glasses of clean water each day to keep healthy. (6 to 8, 1 to 3)

(iii) Regular exercise makes us strong. (strong, weak)

(iv) Fruits and vegetables are healthy foods. (unhealthy, healthy)

(6)

Unit 3

Plants and Their Parts

Words

Meanings

Food

خوراک

Grow

بزرگ شدن

Root

ریشه

Fruit

میوه

Flower

گل

Short Answers

Q.1 Which part of the plant tells us the age of a tree?

Ans. Rings in the trunk.

Q.2 Which has a thicker skin, a plum or a mango?

Ans. Mango.

Q.3 Is a lemon more sour than an orange?

Ans. Yes.

Q.4 Which has more seeds, a plum or a papaya?

Ans. Papaya.

Q.5 Do all flowers become fruits?

Ans. No.

7

Exercises

1. Choose the correct answer.

- (i) Which of these is a type of herb?
a. jasmine b. mango c. cucumber d. ☒ coriander
- (ii) Which of these is not a fruit?
a. orange b. plum c. pineapple d. ☒ radish
- (iii) Which of these is a seed?
a. grape b. apricot c. rose d. ☒ orange pip
- (iv) Which of these fruits grow on trees?
a. pumpkin b. watermelon c. ☒ mango d. grapes
- (v) What does the stem carry to other parts of the plant?
a. air and water b. ☒ air and food
c. water and food d. air

2. Fill in the blanks.

Shrubs, Trees, plants, Creepers, grow, cactus

- i Trees are the biggest plants.
- ii Shrubs are small plants with stems that are hard and difficult to bend.
- iii A cactus has a thick, fleshy stem, and prickly spines.
- iv All plants need sunlight, air and water to grow.
- v Creepers are plants with weak stems which grow along the ground.

⑧

3 Find out, if the following is a tree (T), shrub (S), herb (H), or climber (C).

tamarind	T	bougainvillea	S	jasmine	S
cedar	T	hibiscus	S	mulberry	T
neem	I	peepal	I	pea	C
apricot	T	grapevine	C	rose	S
mint	H	sunflower	S		

4 Name each fruit. Then match the seeds with the fruits.

Look at the pg 23 part .4

★ Label the picture.

Look at the pg no 20

Unit 4

Uses of Plants

Words

Meanings

Tea

چائے

Wheat

گندم

Wood

لکڑی

Tree

درخت

Cotton

کپاس

Short answers

Q.1 Which of the foods that come from plants have you tried?

Ans Fruits vegetables

Q.2 What is the biggest type of plants called?

Ans Trees

Exercises

1 Choose the correct answer

(i) Which of the following is used to make cooking oil?

a. neem b. carrot c. aloe vera d. ☒ sunflower

(ii) Which of these is NOT a root vegetable?

a. beetroot b. carrot c. sweet potato d. ☒ cucumber

(iii) Pick the best answer to complete the sentences. Compost is used as a fertiliser for growing plants. It is made of

a. ☒ dead plant material.

- b. mud and manure mixed together.
 c. wood.
 d. rubbish that we throw away.
 (iv) Which of the following does NOT come from a plant?

a. rice b. [✓]eggs c. tea d. cotton bag

- (v) We should eat fruits and vegetables because they are

a. bright and colourful b. [✓]full of vitamins and minerals
 c. inexpensive d. sweet

2 Which parts of these plants do we eat?

(i) tomato plant fruit

(ii) cabbage Leaves

(iii) pea seed

(iv) turnip roots

(v) lettuce Leaves

(vi) carrot roots

4

Made from plants

tomato sauce

perfume

cotton handkerchief

book

eraser

bat

Not made from plants

cup

ball

marble

ring

tap

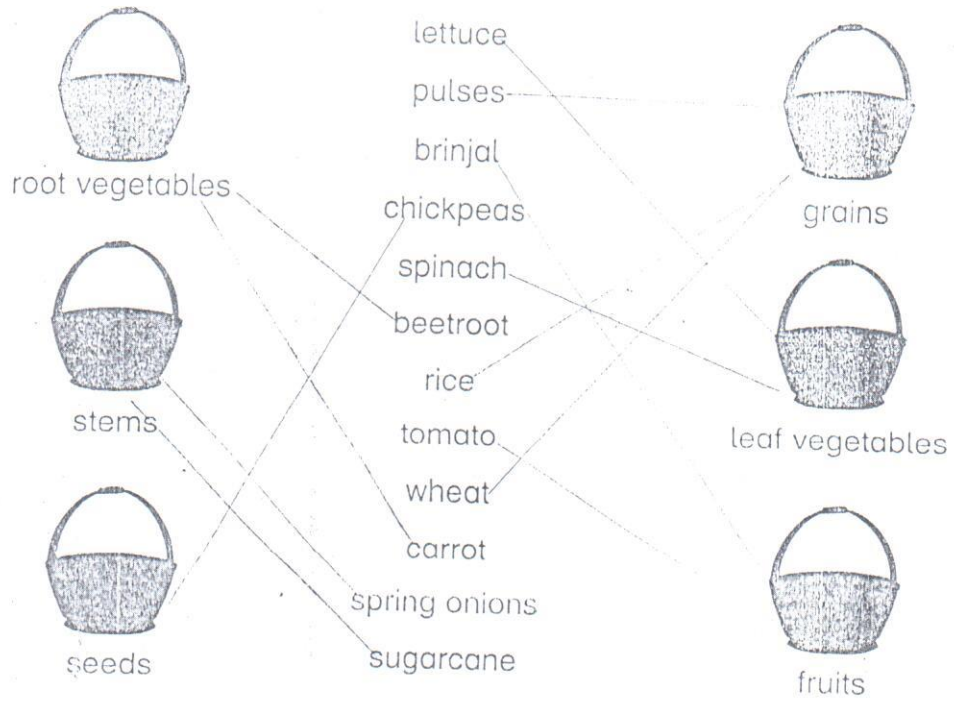
gate

pen

comb

6

6. Can you join these names to the correct vegetable basket?



Unit 5

Animals

Words

Meanings

Grass

گھاس

Water

پانی

Camel

اونٹ

Fur

بال

Forest

جنگل

Short Answers

Q.1 Which animal you think is the most dangerous?

Ans Lion.

Q.2 Which animal has a hump on its back?

Ans Camel.

Long Answers

Q.1 How are ducks able to swim in water?

Ans Their webbed feet help them to swim in water.

Q.2 Where does wild animals live?

Ans Wild animals live in forests.

Exercises

1 Choose the correct answers

(i) Which of these would be useful for a wild animal that eat deer?

a. the ability to run fast b. the ability to move quietly

c. large claws and teeth d. ✓ all of the above

(13)

- ii) Which three of these can come from hen?
a. meat b. ☒ eggs c. feather d. milk
- (iii) Which of these animals is a scavenger?
a. horse b. bear c. ☒ vulture d. tiger
- (iv) Which of these have webbed feet?
a. ☒ ducks b. bears c. fish d. goat
- (v) Which of these is a wild animal?
a. horse b. kitten c. ☒ bear d. sheep

2 Fill in the blanks using the words in the box.

silkworm, sheep, hen, eggs, cat

- (i) We get milk from a silkworm.
- (ii) A cat is kept as a pet. It catches mice.
- (iii) A hen lays eggs.
- (iv) We get wool from sheep.
- (v) Frogs and fish are similar because both lay eggs in water.

3 Look at the picture and complete the fact file about frogs below, using the correct words and phrases from the brackets.

- (i) A frog lives in land and water.

(air, water, land and water)

- (ii) It has four limbs. (two, four, six)

- (iii) Its skin is bumpy and wet.

(dry and scaly, bumpy and wet)

- (iv) It does not have a neck. (has, does not have)
 (v) It eats flies. (flies, grass)
 (vi) It croaks. (hisses, croaks, screeches)
 (vii) Baby frog are called tadpoles.
 (chrysalis, tadpoles)

5 Name the following

- (i) an animal with a hump on its back camel
 (ii) an animal with horns deer/goat
 (iii) an animal with claws lion
 (iv) an animal with tusks elephant
 (v) an animal with fur sheep/cat

6 Look at the picture on page 33 and match the following.

- (i) trunk — a = for fighting
 (ii) fur — b = for sliding through the water easily
 (iii) fin — c = for grasping, breathing, and producing sound
 (iv) horns — d = for keeping warm
 (v) tail — e = for balancing on branches

8 Draw a feather. If you can find one to look at, use it to help you draw your picture.

(15)

Write the names of these animals in the correct columns of the table below.

lizard	rabbit	goldfish	butterfly	tadpole
eel	crab	whale	scorpion	seahorse
octopus	lobster	rat	orangutan	jackal
shark	snake	fly	nightingale	centipede

We live in water

goldfish, shark
tadpole, eel
whale, crab
seahorse, lobster
octopus, snake

We do not live in water

lizard, fly
rabbit, jackal
butterfly, rat
scorpion, orangutan
nightingale, centipede