

HALF YEARLY EXAMINATION, 2024-25

SCIENCE

Time – 3:00 Hrs.

Class – VI

M.M. : 80

Date – _____

Name of the student _____ Section _____

INSTRUCTIONS-

1. All Questions are compulsory.
2. The question paper consists of two sections - Section A – Objective questions and Section B – Subjective questions
3. Read the question paper carefully before answering.

Section A - Objective

Q1. Tick the correct option:

1x6=6

- i) Which of the following minerals function by building strong bones and teeth?
A) Iodine B) Calcium C) Iron D) Sodium
- ii) The presence of starch in food can be tested by using -
A) Iodine solution B) Caustic soda C) Copper sulphate D) Fehling's solution
- iii) Heavier component in a solid - liquid mixture that settles down is called -
A) Supernatant B) Sediment C) Filtrate D) Residue
- iv) Paheli bought some vegetables such as french beans, lady's finger, green chillies, brinjals and potatoes in a bag.
Which of the following methods of separation would be most appropriate for her to separate them?
A) Winnowing B) Threshing C) Sieving D) Hand picking
- v) Which option shows the correct set of parts of a stamen ?
A) Ovary, style and filament B) Ovary, style and stigma
C) Ovary, anther and filament D) Filament and anther
- vi) Human skeleton is formed by -
A) Bones B) Cartilages C) Bones and Cartilages D) Bones, Cartilages and Nerves

Q2. Fill in the blanks with appropriate word:

1x5=5

- i) Vitamin _____ helps our body to use calcium for bones and teeth.
- ii) A piece of wood _____ on water.
- iii) In the process of _____, the stalks are beaten on a hard surface to free the grain seeds.
- iv) Plants release a lot of water in the form of water vapour into the air through the process of _____.
- v) Doctors use _____ images to find out about any possible injuries that might have happened to the bones after accident.

Q3. Correct the given statements and rewrite.

1x4=4

- i) Snail moves with the help of tiny bristles.
- ii) Leaves hold the plant upright.

- iii) Beri-beri is caused due to deficiency of vitamin C.
- iv) Nitrogen gas dissolved in water is very important for the survival of animals and plants that live in water.

Q4. Give one word answers for the following: **1x5=5**

- i) The materials that mix and completely dissolves in water -
- ii) The process of conversion of water vapour into its liquid form -
- iii) The hard outer covering in cockroaches -
- iv) The process by which green leaves make their food -
- v) Diet which contains all the nutrients in appropriate amount along with water and roughage -

Section B - Subjective

Q5. Very short answer type questions: **2x6=12**

- i) **Name** the process by which we get salt from sea water. **Define** the process.
- ii) Define herbs. Give two examples of it.
- iii) On a bright sunny day, Shikha was playing hide and seek with her brother. She hid herself behind a glass door. Do you think her brother will be able to locate her? If yes, why? If no, why not?
- iv) What is the importance of roughage in our diet? Give two examples of food item rich in roughage.
- v) Why can't our elbow move backward?
- vi) Define cartilage. Write any two places in our body where it is found.

Q6. Draw well labelled diagram of: **3x1=3**

Structure of a leaf with three labellings.

OR

Female reproductive parts of a flower with three labellings.

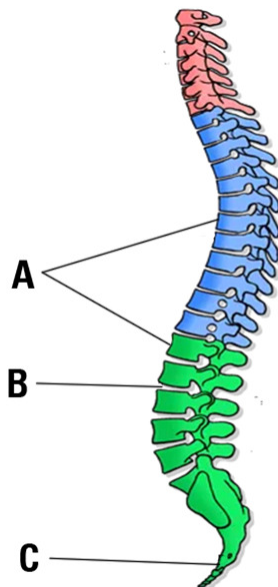
Q7. Short answer type questions (any 5): **3x5=15**

- i) Differentiate between hard and soft materials and give one example for each. (1.5+1.5)
- ii) Lemonade is prepared by mixing lemon juice and sugar in water. You wish to add ice to cool it. Should you add ice to the lemonade before or after dissolving sugar? In which case would it be possible to dissolve more sugar? Give reason for your answer. (1+1+1)
- iii) What is winnowing? Where is it used? (2+1)
- iv) Define deficiency diseases. Name the deficiency diseases caused by the deficiency of iodine and vitamin A respectively. (1+1+1)
- v) Write any three functions of human skeletal system. (3)
- vi) Write any three functions of stem. (3)
- vii) Reena wants to purify a sample of muddy water at home. Explain the steps that she should follow to separate the mixture of mud and water. (3)

Q8. Long answer type questions (any 5): **5x5=25**

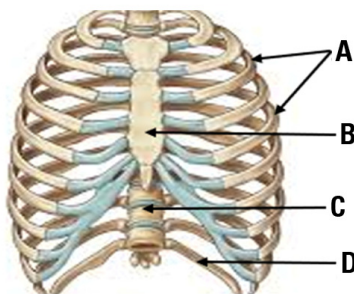
- i) What are transparent, translucent and opaque materials? Give one example for each. (5)
- ii) Write about different types joints in our body with an example for each type. (5)
- iii) What are the features in a bird that helps a bird to fly? (5)

- iv) What are the different components of food? Write the function of each component. (5)
- v) a) Find the odd one out and give reason. (2)
Aluminium, Iron, Copper, Silver, Sand
- b) Write any three points telling the importance of sorting materials into groups. (3)
- vi) a) What is decantation? Give an example where it is used. (2)
- b) Describe the process of sieving by giving two examples of it. (3)
- vii) a) Define leaf venation. Differentiate between reticulate and parallel venation and give examples for each. (3)
- b) Write any two functions of leaves. (2)
- Q9. Observe the given picture and answer the questions following it. 5x1=5**



- I. Identify and name the given figure. (1)
- II. Label any two parts of it. (2)
- III. If the organisms don't have this structure in their body, they are called as _____. (1)
- IV. How many small bones form this structure in an adult human body? (1)

OR



- I. Identify and name the given figure. (1)
- II. Label any three parts of it. (3)
- III. Write its function. (1)

