



PRE-MIDTERM (2023 - 24)

Class: VI
Date: 30-05-2023

Sub: SCIENCE (086)
Set - I

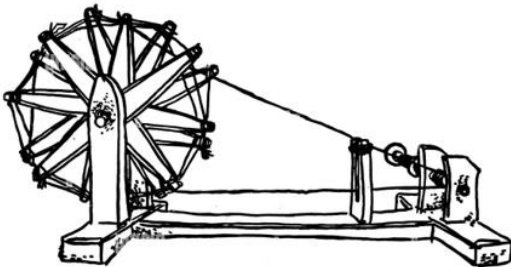
Max Marks: 30
Time: 1 hour

General Instructions:

- i. All questions are compulsory. Marks are indicated against each section.
- ii. The question paper comprises of 4 pages and 15 questions in 5 sections A, B, C, D and E.
- iii. Q 1 to Q 4 in **section A** -MCQ carry ONE mark each. Write the correct answer along with option only in the answer script.
- iv. Q 5 to Q 7 in **section A** -Assertion and Reason carry ONE mark each.
- v. Q 8 to Q 10 in **section B** are Short Answer Type Questions and carry TWO marks each.
- vi. Q 11 to Q 13 in **section C** are Short Answer Type Questions and carry THREE marks each.
- vii. Q 14 in **section D** is Long Answer Type Question and carries FIVE marks.
- viii. Q 15 in **section E**-Case study / Paragraph Questions carry THREE marks.
- ix. Write the same question number as given in the question paper.
- x. Ink killer or whitener should not be used in the answer script.
- xi. Diagrams should be drawn using a pencil.

SECTION A (7X1=7)

1. The names of some plants and their edible parts are given below. Choose the option where the plant and its edible part/parts are correctly matched.
 - a) Potato - root
 - b) Mustard - leaves and seeds
 - c) Brinjal - flower
 - d) Cabbage - stem and fruit
2. Identify the device in the given picture and find the suitable description of the process done using the device.



- a) Takli; used for spinning; converts yarn to fabric.
- b) Charkha; used for spinning; converts fibre to yarn.
- c) Hand spindle; used for spinning; converts fibre to yarn.
- d) Handloom; used for knitting; converts fibre to yarn.

3. Which among the following major nutrients are required for growth and maintenance of our body?
- Proteins and Minerals
 - Carbohydrates and Fats
 - Dietary fibres and Water
 - Vitamins and Roughage
4. A lab test was conducted for few samples of food and the observations are as follows:

Samples of Food	On adding Iodine solution
Milk	No blue-black colour
Egg white	No blue-black colour
Bread	Blue-black colour
Potato	Blue-black colour

Identify the correct statement to conclude the results.

- The given test was conducted to find the presence of protein in food.
- Milk and egg white are carbohydrate-rich food.
- The blue-black colour confirms the presence of starch in food.
- Iodine solution is used to test the presence of fats.

For questions 5 to 7, two statements are given-one labelled as Assertion(A) and the other labelled as Reason(R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below:

- Both A and R are true and R is the correct explanation of the Assertion.
- Both A and R are true but R is not the correct explanation of the Assertion.
- A is true but R is false.
- A is false but R is true.

5. **Assertion (A):** The process of arranging two sets of yarn together to make a fabric is called weaving.
Reason(R): We twist fibres together to make thick and long yarn.
6. **Assertion (A):** Bear is an omnivorous animal.
Reason (R): Omnivorous animals eat both plant and animal products.
7. **Assertion (A):** Avoid washing of vegetables and fruits after cutting and peeling.
Reason (R): It will lead to loss of some vitamins.

SECTION B (3X2=6)

8. **Give reasons:**

- a) An athlete is usually given glucose after a race.
- b) Our body will not function without sufficient water.

9. **Draw** a neat diagram of parts of a plant and **label** any two parts.

10. a) What is ginning?

b) Why do we wear cotton clothes in summer?

SECTION C (3X3=9)

11. a) State the steps involved in making fabric from fibres.

b) Write names of **any two** unstitched fabric used in our country.

12. a) What are ingredients?

b) Name **two** ingredients in our food that are **not** obtained from plants or animals.

c) What do you mean by sprouting?

13. a) What is a balanced diet?

b) Why is it necessary to include roughage in our diet?

c) Name **two** sources of roughage.

SECTION D (1X5=5)

14. a) Why does obesity occur?

b) Write **any two symptoms** of diseases caused due to deficiency of Proteins in the diet.

c) A person has got bleeding gums as symptom of a deficiency disease and the wounds on his body take longer time to get healed.

i) What is this condition known as?

ii) Which nutrient is he lacking in his diet?

SECTION E (3X1=3)

15. Read the following passage and answer the questions given below.

Fabrics are made up of yarns and yarns are further made up of fibres. The fibres of some fabrics such as cotton, jute, silk and wool are obtained from plants and animals. These are called natural fibres. Cotton and jute are examples of fibres obtained from plants. Wool and silk fibres are obtained from animals. In India, jute is mainly grown in West Bengal, Bihar and Assam. It is cultivated during the rainy season. The jute plant is normally harvested when it is at the flowering stage. The stems of the harvested plants are immersed in water for a few days. The stems rot and fibres are separated by hand. To make fabric, all these fibres are converted into yarns.

- (i) What are natural fibres?
- (ii) Name **two** fibres that are obtained from animals.
- (iii) How are fibres obtained from the jute plant?

MARKING SCHEME

	SECTION A (7X1=7)	MARKS
1	b) Mustard - leaves and seeds	1
2	b) Charkha; used for spinning; converts fibre to yarn.	1
3	a) Proteins and Minerals	1
4	c) The blue-black colour confirms the presence of starch in food.	1
5	(ii) Both A and R are true but R is not the correct explanation of the assertion.	1
6	(i) Both A and R are true and R is the correct explanation of the assertion.	1
7	(i) Both A and R are true and R is the correct explanation of the assertion.	1
SECTION B (3X2=6)		
8	a) Glucose provides instant energy. b) Water is essential for absorbing nutrients from the food. It helps in the removal of waste materials from our body in the form of urine and sweat. (ANY ONE POINT)	1 1
9	a) Diagram – Parts of the plant Label – root/stem/leaf/bud/flower/fruit (ANY TWO PARTS)	1 $\frac{1}{2} + \frac{1}{2} = 1$

10	<p>a) Ginning is the process of separating fibres from the seeds of cotton.</p> <p>b) We sweat a lot in summer. Cotton clothes allow air to pass through them. Cotton clothes absorb sweat and let it evaporate. Thus, they help to keep our body cool. (ANY ONE POINT)</p>	<p>1</p> <p>1</p>
SECTION C (3X3=9)		
11	<p>a) Fabrics are made from fibres in two steps- Fibres are first converted to yarn by the process of spinning. Fabric is made from yarn by the process of weaving and knitting.</p> <p>b) Saree, Dhoti, Lungi, or Turban (ANY TWO)</p>	<p>1 + 1 = 2</p> <p>$\frac{1}{2} + \frac{1}{2} = 1$</p>
12	<p>a) The materials or components which are used to prepare food are called ingredients.</p> <p>b) Salt and Water.</p> <p>c) When seeds begin to grow or germinate by developing white coloured tiny roots on them, they are called sprouts. This method of making sprouts from seeds is called sprouting.</p>	<p>1</p> <p>$\frac{1}{2} + \frac{1}{2} = 1$</p> <p>1</p>
13	<p>a) The diet that contains all the different types of nutrients in correct amounts is termed as a balanced diet. Such a diet also includes enough water and roughage.</p> <p>b) Roughage adds bulk to our food. It helps our body to get rid of undigested food. (ANY ONE POINT)</p> <p>c) Whole grains/pulses/potatoes/fresh fruits/vegetables. (ANY TWO)</p>	<p>1</p> <p>1</p> <p>$\frac{1}{2} + \frac{1}{2} = 1$</p>
SECTION D (1X5=5)		
14	<p>a) Obesity occurs due to excessive intake of fatty foods.</p> <p>b) Stunted growth/swelling of face/discolouration of hair/skin diseases/diarrhoea. (ANY TWO)</p> <p>c) i) Scurvy ii) Vitamin C</p>	<p>1</p> <p>1+1= 2</p> <p>1+1= 2</p>
SECTION E (3X1=3)		
15	<p>a) Fibres which are obtained from plants and animals are called natural fibres.</p> <p>b) Wool and silk</p> <p>c) The stems of harvested plants are immersed in water for a few days. The stems rot and fibres are separated by hand.</p>	<p>1</p> <p>$\frac{1}{2} + \frac{1}{2} = 1$</p> <p>1</p>