



INDIAN SCHOOL SOHAR
TERM-I EXAMINATION (2022-23)
SCIENCE

CLASS: VI
DATE: 25/09/2022

MAX. MARKS: 40
DURATION: 2 HOURS

General Instructions:

- (i) The question paper comprises four sections A, B, C and D. There are 21 questions in the question paper.
- (ii) All questions are compulsory.
- (iii) Section–A - Question no. 1 to 8 are of one mark each. These questions contain very short answer questions and Assertion - Reason type questions.
- (iv) Section–B - question no. 9 to 15 are Competency Based Questions consist of Multiple Choice Questions of 1 mark and Case Based questions of 4 marks each.
- (v) Section–C - Question no. 16 and 17 are short answer type questions, carrying 2 marks each.
- (vi) Section–D – Question no. 18 to 21 are long answer type questions, carrying 3 marks each.

SECTION -A

Answer in One-word / One sentence each.

1. Write the type of joint which is used for each of the following movements. 1
 - a. A bowler bowls the ball.
 - b. A person lifts the weights to build up muscles.
2. Plants have fibrous root and tap root; what type of venations do their leaves have? 1
3. Sita often complains of bleeding gums and the wounds take time to heal. Which vitamin deficiency does she have and hence which deficiency diseases she might be suffering from. 1
4. What are X-rays used for? 1
5. Give two examples of plants where two or more parts are used as food. 1

Assertion Reason Type: In the following questions, a statement of Assertion (A) & a corresponding statement of Reason (R) are given. Choose the most appropriate option.

6. **Assertion:** Caustic soda and copper sulphate solution are used to test presence of proteins in the food items. 1
Reason: Caustic soda and copper sulphate solution turn violet colour and indicate the presence of proteins in the food item.
 - a) Both, A and R, are true and R is the correct explanation of A.
 - b) Both, A and R, are true but R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.
7. **Assertion:** Cotton bolls are the flower of the cotton plants. 1
Reason: Cotton bolls are of lemon size.
 - a) Both, A and R, are true and R is the correct explanation of A.
 - b) Both, A and R, are true but R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.

8. **Assertion:** Earthworms are called as farmer's friend. 1

Reason: Earthworms make the soil fertile and porous.

- a) Both, A and R, are true and R is the correct explanation of A.
- b) Both, A and R, are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

SECTION B

Multiple Choice Question: Choose the correct answer from the given options:

9. One day Sita's mother asked her to prepare chapatti. Select the ingredients Sita would need from the given option. 1

- a) Rice, water and sugar
- b) Pulses, water and salt
- c) Atta (wheat flour), water and salt
- d) Mango, water and sugar

10. Which of the following food items are important to be included in a balanced diet? 1

- a) Fruits, milk, vegetables
- b) Burger, chips, butter
- c) Pizza, chocolate, sweets
- d) Chocolate, sweets, ice-cream

11. Identify the step shown in the picture for the making fabric. 1

- a) Spinning
- b) Weaving
- c) Ginning
- d) Hand-picking



12. A student claimed that the watermelon plant is a herb. Is the claim made by the student correct? 1

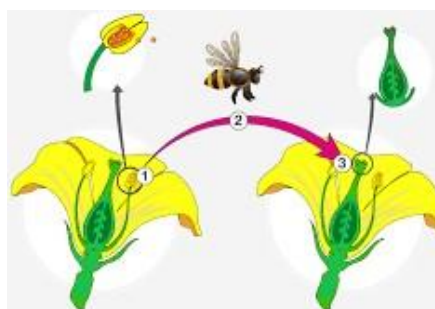
- a) No. The plant has weak stems which are supporting the watermelon on the ground, so it is a climber.
- b) No. The plant has weak stems and spreads on the ground, so it is a creeper.
- c) Yes. The plant has green stems, so it is a herb.
- d) Yes. The plant has many branches, so it is a herb.

13. Source Based –Multiple Choice Questions:

Flowers are the most beautiful part of a plant. Different plants have different types of flowers. Flowers are of many sizes, shapes and colours. A flower is a reproductive part of plant and results in the formation of fruits and seeds. Seeds on germination give rise to new plants. A flower thus, results in multiplication of plants. It is the source of food for many insects. Flowering plants are grown in gardens and in homes because of the bright colour and fragrance of the flowers. Therefore, they beautify the surroundings and provide aesthetic value.

i. Select the correct set of parts of a pistil.

- a) Sepals, petals and stamen
- b) Stigma, style and ovary
- c) Ovary, style and stamen
- d) Ovary, style and stigma



- ii A male part of a flower consists of: 1
- Sepals and petals
 - Sepals and pistil
 - Anther and filament
 - Anther and pistil
- iii The swollen part of a flower which encloses ovules, the bead like structure, is called 1
- style
 - ovary
 - Stamen
 - Stigma
- iv I am the most beautiful part of a plant, I am a 1
- root
 - stem
 - leaf
 - flower

14. Read the given passage and answer the following questions in short:

Khadi is a term used for fabrics that are hand-spun and handwoven, usually from cotton fiber. The fabric is known for its rugged texture, comfortable feel and ability to keep people warm in winter while keeping them cool during the summer.

If we have the 'khadi spirit' in us, we would surround ourselves with simplicity in every walk of life. The 'khadi spirit' means illimitable (endless) patience. For those who know anything about the production of khadi know how patiently the spinners and the weavers have to toil (work hard) at their trade, and even we must have patience while we are turning '**the thread of Swaraj.**'

Answer the following questions in short:

- Name the two main processes which are used for making fabric from yarn? 1
- Define the process which is carried out on the charkha? 1
- Write any two reasons why Mahatma Gandhi popularized the use of khadi. 2

15. Case Based

Some visitors came to Reena's house. Reena thought of making lemonade for them. She dissolved sugar in chilled water and observed that the sugar was taking long time to dissolve. Meanwhile, Reena's mother noticed that Reena was taking time to dissolve the sugar. She asked her to transfer the upper chilled water in another container and then add normal or warm water to this sugar settled at the bottom. Reena then found it easy to dissolve the sugar for the lemonade.

Answer the following questions based on the above case study:

- Why do you think Reena's mother must have asked her to replace chilled water with normal or warm water? 1
- What do you mean by saturated solution? 1
- Is it possible for Reena to keep adding sugar to water. Justify your answer. 2

SECTION C

Answer in short:

16. Compare bones and cartilage. **(two points)** 2
17. Can the stem of a plant be compared with a street with two-way traffic? If yes, then how? 2

SECTION D

Long answer questions:

18. i. State any two modifications of birds that help them to fly. 2
ii. What do you understand by the term '**Gaits of Animals**'? 1
19. i. Define sprouting of seeds. 1
ii. Write any two ways in which sprouts are eaten. 2
20. i. State any four methods of separation of substance from their mixture. 2
ii. Why do we need to separate substances? **(any one point)** 1
21. **Give reason:**
- i A labourer needs more carbohydrates as compared to an office going person. 1
- ii Herbivore animals differ from omnivores. 1
- iii The stem of jute plant is immersed in water for a few days. 1
