

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

No: of printed pages: 5

CLASS: VI
DATE: 02.03.2023

MAX. MARKS: 80
TIME: 3 HRS

General Instructions:

- i This question paper consists of 39 questions in 5 sections.
- ii All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
- iii **Section A** consists of 20 objective type questions carrying 1 mark each.
- iv **Section B** consists of 6 Very Short questions carrying 02 marks each.
- v **Section C** consists of 7 Short Answer type questions carrying 03 marks each.
- vi **Section D** consists of 3 Long Answer type questions carrying 05 marks each.
- vii **Section E** consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.

SECTION – A				
Select and write one most appropriate option out of the four options given for each of the questions 1 - 20				
Q.	Questions	Marks		
No.	<u> </u>			
1	A student is making a model of a garden. He wants to cover the model with a sheet that	1		
	does NOT allow anyone to see through it clearly. Which sheet should the student use?			
2	a. tracing paper b. glass sheet c. cellophane sheet d. cardboard sheet	1		
2	Select the correct statement for respiration in plants.	1		
	a. Respiration takes place only when plants are not making food.			
	b. Respiration takes place only during night.c. Respiration takes place both during day and night.			
	c. Respiration takes place both during day and night.d. Respiration takes place only during day.			
3	The image represents an electric cell. Which of these describes the structure of	1		
3	an electric cell?			
	a. Metal cap with a negative sign on both sides.b. Metal cap on top, metal disc on bottom and a positive sign on both ends.			
	c. Metal disc on both ends with a positive on top and negative sign at the			
	bottom.			
	d. Metal cap with a positive sign on top and a metal disc with negative sign at the			
	bottom.			
4	Rishi observed a plant that has a main root with lateral roots arising from it. What type of	1		
	the root is possessed by this plant and what type of venation will likely be observed in its			
	leaves?			
	a. tap root; parallel venation b. tap root; reticulate venation			
	c. fibrous root; parallel venation d. fibrous root; reticulate venation			
5	Among the non-living things listed below, choose the thing that was once a part of a living	1		
	thing?			
	a. butter b. salt c. glass bulb d. steel spoon			
6	Select the correct match between the characteristics of stem and category of plant.	1		
	a. green and tender stem: herb			
	b. weak stem which spread on ground: climber			
	c. thick hard stem with branches higher up on the stem; shrubs			
	d. thick hard stem with branches higher up on the stem: shrubs			

7	Which of these materials can be used to make a bulb	1
	glow when put on the gap shown in the picture?	
	a. eraser b. iron pin	
	c. plastic comb d. book	
8	Ancient people discovered magnetic rocks called lodestone. What did they use them for?	1
	a. to start fire b. to find directions	
	c. to make sculptures d. to make telephone receivers	
9	Select the practice one should adopt to reduce the amount of trash generated.	1
	a. Use tissue paper instead of a handkerchief. b. Use polythene bags.	
	c. Use straws to drink juice. d. Use steel utensils over disposable plates and cup.	
10	The image captured by a pinhole camera is inverted because:	1
	a. the eye reverses the image. b. light travels in a straight line.	
	c. light travels at a high speed in camera. d. light travels at a low speed in camera.	
11	What does the danger sign on electric poles indicate?	1
	a. It is to notify people that there is no electric current in the electric pole.	
	b. It is to warn people that that electrical current in the electric	
	pole could cause death if touched.	
	c. It is to warn people that there are harmful X-rays near the	
	electric pole.	
	d. It is to notify people that electricity is not dangerous.	
12	Saurav purchased a magnet and decided to heat it. What will be its effect on the magnet?	1
	a. It will melt immediately	
	b. The magnetic strength of the magnet will increase.	
	c. The magnet will start to attract non-magnetic materials.	
	d. The magnetic strength of the magnet will be lost.	
13	Which of the characteristics is NOT exhibited by the shadow of an object?	1
	a. The shadow formed is erect.	
	b. The shadow is always formed on a screen.	
	c. The color of the shadow is same as that of the object.	
	d. The shape of the shadow can be different from the shape of the object.	
14	What do the 3R stand for?	1
	a. Reduce, Renew, Recycle b. Reduce, Reuse, Recycle	
	c. Recycle, Rebuild, Renew d. Reuse, Recover, Recall	
15	Which of the following is a non-magnetic material?	1
	a. steel b. paper c. nickel d. cobalt	
16	Which of the statement is true about vermicomposting?	1
	a. Vermicomposting takes place in the absence of oxygen.	
	b. Harmful substances are formed during vermicomposting.c. Vermicomposting requires extremely cold temperature.	
	d. The organic waste breaks down naturally.	
		<u> </u>

Q. no. 17 to 20 are Assertion- Reason based questions.

These consist of two statements - Assertion (A) and Reason(R). Answer these questions selecting the most appropriate option given below:

- a. Both A and R is true and R is the correct explanation of A.
- b. Both A and R is true and R is not the correct explanation of A.

c. A is true but R is false.			
d. A is false but R is true.			
17	Assertion(A): Fishes have gills to respire.	1	
	Reason(R): Gills help fishes to take oxygen dissolved in water.		
18	Assertion (A): Sepals are the colourful part of a flower.	1	
	Reason (R): The number of petals and sepals in a flower might not always be equal		
19	Assertion (A): We must not keep the magnets near a television.	1	
	Reason (R): A magnet demagnetises if kept near a television.		
20	Assertion (A): Kitchen waste is used to make compost.	1	
	Reason (R): Green waste is a biodegradable substance.		
	SECTION – B		
	Q. NO. 21 TO 26 are very short answer questions.		
21	Label the parts of a flower A, B, C and D. A B	2	
22	Give reason for the following:		
	a. Snow leopard has thick fur on its feet and toes.	1	
	b. Compost is a better choice than chemical fertilizer.	1	
	OR		
	a. Desert animals such as rats and snakes, live in burrows.		
22	b. Plastic is a curse for the stray animals.	2	
23	Differentiate between conductors and insulators. Mention an example in each case.	2	
24	Observe the picture A and B and mention what will happen to cars 1 and 2 in position A and cars 3 and 4 in position B and why?	2	
25	What is papier-mache? State any two uses of a papier mache.	2	
26	State any two conditions necessary for the formation of shadows.	2	
	Section C		
	Q no 27 to 33 are short answer questions		
27	Rohan dipped a bar magnet in a heap of iron filings and pulled it out. He found that iron	3	
	filings got stuck to the magnet as shown in the figure.		
	a. Which region of the magnet have more iron filings		
	sticking to it?		
	b. What are these regions called?		
	c. If the bar magnet is cut into two pieces, where will the		
	iron filings stick more in these two cut magnets?		
	- Aber other		

28	a. What is meant by the term garbage?	3
20	b. Suresh and Meenu found a heap of dry leaves in the park of their society. Suresh	3
	suggested to burn the leaves but Meenu suggested to convert it into compost and not burn	
	them. Why is Meenu not in the favour of burning leaves and insisted to convert it into	
	·	
20	compost. Give reason for your answer.	2
29	a. What will happen if the filament of an electric bulb breaks?	3
	b. Draw the symbol of an electric bulb, cell, closed switch and a battery.	
	OR	
	b. How is the arrangement of storing a bar magnet different from that of a U- shaped	
	magnet?	
30	State any three adaptations of a predator living in a grassland.	3
	OR	
	a. What is a landfill?	
	b. What is done to the land when a landfill is completely filled with non-useful components	
	of garbage?	
31	a. How do exchange of gases take place in plants?	3
	b. Give any two differences between respiration and photosynthesis.	
32	Study the given picture and answer the following .	3
	a.Name the phenomenon shown in the given picture and	
	define it.	
	b.What will happen if you replace the mirror used in the	
	activity alongside with a wooden board?	
33	A dog and a bicycle can move from one place to another. But a dog is considered to be a	3
	living thing whereas bicycle is considered to be a non-living thing. Give three reasons to	
	justify this statement.	
	Section D	
	Q. no. 34 to 36 are Long answer questions.	
34	Observe the given picture and answer the following questions.	5
	a. On which principle does a pinhole camera work?	
	b. State any one similarity and one difference between the	
	image formed in a pinhole camera and the image formed in	
	a mirror.	
	c. What are translucent objects? Give any two examples.	
	OR	
	c. You are given a transparent glass sheet. Suggest any two	
	ways to make it translucent without breaking it.	
35	a. Why is repulsion considered as the sure test of magnetism?	5
	b. Write any two differences between natural and artificial magnets.	
	c. Name any two artificial magnets.	
36	a. Redworms do not have teeth then how do they grind their food? What can we add to	5
	the pit to help redworms grind the food?	
	b. Why we should not add meat to a vermicompost pit?	
	c. Give two differences between vermicomposting and composting.	
	OR	
	VII.	

	c. All living things respond to external stimuli. Give any two examples.		
	Section E		
Q. no. 37 to 39 are Case-based / Source-based questions with 2 to 3 sub-parts. Internal choice is			
	provided in one of these sub-parts.		
37	Aquatic plants help absorb harmful toxins in aquarium water, acting as natural filtration.	4	
	There is a vast range of different aquatic plants which are adapted to live in the ponds or		
	oceans. Adaptations are many and varied. Many aquatic flowing plants have leaves that lie		
	flat on the water for maximum sunlight collection. The stems of many aquatic plants have		
	large air-filled areas to increase buoyancy. Many fruits of aquatic plants float on water,		
	which increases dispersal as fruits and seeds float away.		
	a. Give two examples each of terrestrial habitat and aquatic habitat.		
	b. Define excretion and mention how do the plants get rid of the waste products.		
	OR		
	b. Define the term adaptation and give any two adaptations seen in aquatic plants.		
38	Magnets were known to people from ancient times. Many properties of magnets were	4	
	known to them. One such interesting story is about an emperor in China named Haong Ti. It		
	is said that he had a chariot in with a statue of a lady. The extended arm of this statue always		
	pointed towards South direction.		
	a. What could be the reason behind the extended arm of the statue always pointing towards		
	the South direction?		
	b. Describe the steps involved in magnetising an iron strip with the help of a magnet.		
	OR		
	b. State the properties of a magnet.		
39	Two plants of the same kind were dug out with the roots from the soil by a student. A student planted one of this plant in pot 1 , while cut off the roots of another plant and planted it in pot 2 as shown in the figure. He watered both the plants for a week and then compared their growth. a. Which of the pot will have a healthy plant and why? b. Mention any two abiotic factors necessary for the plants to grow. c. What will happen if you try to grow a terrestrial plant in a pond? OR c. If the plant in pot 1 is covered with polythene bag and kept in the sunlight for few hours, we will observe water droplets in the polythene bag. Name the process responsible for this observation.	4	
