
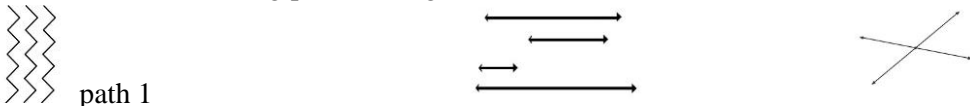
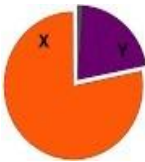




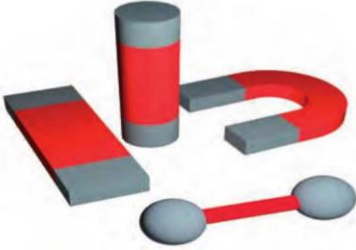
DELHI PUBLIC SCHOOL JAMMU
SESSION (2024-25)
FINAL EXAMINATION
SAMPLE PAPER

Class: VI
Subject: SCIENCE
General Instructions:


Time: 3 hours
Max Marks: 80

- All the questions are compulsory
- The question paper has 5 sections A, B, C, D and E
- Section A has 20 Multiple Choice Questions (MCQs) carrying 1 mark each
- Section B has 6 Short Answer-I (SA-I) type questions carrying 2 marks each
- Section C has 7 Short Answer-II (SA-II) type questions carrying 3 marks each (50-80 words)
- Section D has 3 Long Answer (L(A) type questions carrying 5 marks each (80-120 words)
- Section E has 3 Case-Study based questions (4 marks each) with subparts
- Few internal choices has been provided

SNO	Section – A Multiple Choice Questions	Marks
1	Which of the following is not a living organism? (a) Housefly (b) wooden chair (c) cactus (d) cockroach	1
2	Which of the following is provided by the plants to the organisms? (a) food (b) shelter (c) air (d) all of these	1
3	Study the diagram below, which feature of cactus helps it to survive in its environment?  (a) broad and large leaves (b) spines instead of leaves (c) thin and weak stem (d) both (a) & (b)	1
4	Identify the translucent object from the following: (a) wood (b) metal (c) butter paper (d) rubber	1
5	In which of the following paths can light ray travel?  (a) Path 1 (b) Path 2 (c) Path 3 (d) Both (b) & (c)	1
6	Which of the following objects will form a clear shadow: (a) Glass cup (b) Steel plate (c) Water bottle (d) Transparent plastic	1
7	What is colour of the shadow of a blue coloured ball? (a) Blue (b) Black (c) White (d) Red	1
8	Where can we find air (a) Around us (b) Inside the room. (c) In the sky (d) All of these	1
9	Identify the picture below. It shows the components of air. Which component is in maximum amount?  (a) X denotes nitrogen component (b) Y denotes oxygen component (c) Both X and Y (d) None of these	1

10	What is the thin layer of air surrounding our Earth called: (a) Oxygen (b) atmosphere (c) carbon dioxide (d) wind.	1
11	Which of the components of air supports burning_____ (a) dust. (b) nitrogen (c) oxygen (d) Water vapour	1
12	Which of the following is used to separate bran from flour: (a) sieve (b) churner (c) filter paper (d) funnel	1
13	Which of the following methods is used by farmers to separate the lighter husk particles from the heavy grains (a) Handpicking (b) sieving (c) Threshing (d) winnowing	1
14	See the picture and answer the question given below: <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Which of the following is the convenient method of separating impurities such as stones from the grains? (a) Handpicking (b) Winnowing (c) Threshing (d) None of these</p>	1
15	The picture given below are the examples of _____ magnet: <div style="text-align: center;">  </div> <p>(a) Artificial magnets (b) Natural Magnets (c) Both (a)&(b) (d) Can't predict</p>	1
16	Which of the following joints cannot move: (a) Pivot joint (b) ball and socket joint (c) Fixed joint (d) Hinge joint	1
(Q17-Q20) Assertion and Reason Based Questions In the following questions, a statement of assertion ((A) is followed by a statement of reason (R). Mark the correct choice as: a. Both assertion (A) and reason (R) are true and (R) is the correct explanation of (A). b. Both assertion (A) and reason (R) are true and (R) is not the correct explanation of (A). c. Assertion (A) is true but reason (R) is false. d. Assertion (A) is false but reason (R) is true.		
17	Assertion (A): The weather conditions in a desert are very dry and hot. Reason (R): An animal that adapts itself to hot and humid climate can survive in a desert.	1
18	Assertion (A) : The process of winnowing is used to separate grains from husk. Reason (R): Grains are heavier than husk.	1
19	Assertion (A): The shell does not help snail to move. Reason(R): The shell protects snails from predators.	1
20	Assertion (A): A magnet can attract other magnet as well as an iron strip. Reason (R) : Repulsion is sure test for magnetism.	1
Section-B		
21	A carpenter accidentally mixed iron nails and screws with wood shavings. How can you help him in getting back the nails and screws from the wood shavings?	2
22	Write two functions of human skeleton.	2

23	<p>A fish adapts itself to live in water. Likewise, different animals adapt themselves to their surroundings. How do animals adapt themselves to their surroundings?</p> <p style="text-align: center;">OR</p> <p>Seema says plants in mountain regions in deserts are similar in some ways. Is she right? Justify your answer.</p>	2
24	How is mixture of wheat grains and rice flakes separated?	2
25	<p>You can see the faint glow of a lighted torch through an object, but not the object itself. What can you conclude about the object?</p> <p style="text-align: center;">OR</p> <p>What are natural and artificial sources of light?</p>	2
26	Define: (a) atmosphere (b) humidity	2
Section-C		
27	<p>a) What is acclimatisation?</p> <p>b) How is acclimatisation different from adaptation?</p>	3
28	<p>(a) What is magnetic compass?</p> <p>(b) Explain the principle behind the working of a magnetic compass.</p> <p style="text-align: center;">OR</p> <p>(a) What are magnetic keepers?</p> <p>(b) How do migratory birds use the earth's magnetism for their navigation?</p>	3
29	<p>(a) You are trying to take a photo of a beautiful landscape with your camera. Would the photo be clearer if you use a flash or if you use natural sunlight.</p> <p>(b) Define lateral inversion.</p>	3
30	<p>Rahul recently learned that areophane designers use aluminum to make the outer structure of the plane. They do this to keep the weight of the plane minimal. He wonders if there are some characteristics in birds to keep them light weight.</p> <p>a) What are those features in birds?</p> <p>b) Why do birds or aeroplanes need to be light weight?</p>	3
31	Explain how muscles work to make bones move.	3
32	What is filtration? Draw a diagram to show cleaning of water by filtration.	3
33	Give three points of differences between breathing and respiration.	3
Section D		
34	<p>Write five points of differentiation between image and shadow.</p> <p style="text-align: center;">OR</p> <p>a) Evaluate the difference in the way light is reflected by a plane mirror.</p> <p>b) When does a solar eclipse occur- on a new moon day or on a full moon day?</p>	5
35.	<p>a) Define mixtures and its types.</p> <p>b) Sonia wants to collect many bright and colorful seashells when she goes to the beach. Which separation process would you suggest to her to use? Give a reason.</p> <p style="text-align: center;">OR</p> <p>a) What is saturated solution?</p> <p>b) How will you increase the solubility of a solid solute in a solution?</p>	5
36	<p>a) What are natural and artificial magnets?</p> <p>b) How do the poles of a magnet behave when separated into smaller pieces?</p> <p style="text-align: center;">OR</p> <p>a) What is magnetism?</p> <p>b) Take a bar magnet. How will you find east direction with its help?</p>	5
Section: E		

37	<p>Read the paragraph given below and answer the questions that follows:</p> <p>The addition of harmful substances. in the air that makes the air unfit for living beings is called air pollution. Various human activities such as burning of fuels, harmful gases released from factories and machineries and smoke released from vehicles are responsible for polluting air .Smog is a mixture of smoke and fog in the air .It is a serious problem in many big cities like Delhi and Mumbai It harms the human health .It causes inflammation in human passage, decreases the working capacity of lungs., causes shortness of breath ,wheezing ,coughing and irritation in eyes and nose. People in such cities have to wear masks to protect themselves from the polluted air. Traffic policeman is also seen wearing masks on busy crossroads. We must plant trees because they absorb pollutants and improve air quality. Adopting renewable energy like solar energy, windmills and hydropower instead of fossil fuels is necessary.</p> <p>i) Which of the following is a major cause of air pollution? a) Planting trees b) Burning of fossil fuels c) Recycling waste d) using solar energy</p> <p>ii) What is the main component of smog? a) Water vapour b) Smoke and fog c) Oxygen and carbon dioxide d) dust and sand</p> <p>iii) Write two measures to control air pollution.</p>	1+ 1+ 2
38	<p>Observe the diagram given below and answer the questions that follows:</p>  <p>i) A German physicist discovered X-rays in year: a) 1859 b) 1756 c) 1857 d) none of the above</p> <p>ii) X-rays are used to diagnose: a) fractures in body. b) blocked vessels c) bone cancer. d) all of these.</p> <p>iii) What did German physicist discover about X-rays.</p>	1+ 1+ 2
39	<p>Life exists everywhere on our planet, the earth. The place where living organisms live is called their habitat. A habitat provides food, water, air, light, shelter and a place for breeding for the plants and the animals living in it. For example, the cactus plant grows and survive well in the dry areas of desert So, the habitat of the cactus plant is desert. We live in towns and cities because these places fulfil our daily needs like food water and shelter In fact ,all living things like plants and animals prefer to live in those places that are best suited to their needs. The habitat of polar bear is cold areas.</p> <p>i) Which of the following is an example of an aquatic habitat? a) forests b) desert c) river d) grassland.</p> <p>ii). What is a habitat? a) a place where animals compete for food. b) a place where organisms live, find food water, shelter. c) a place where plants grow only d) a place with no organisms.</p> <p>iii) Give two examples of organisms and their habitats.</p>	1+ 1+ 2

Reflection Box

1. How confident do you feel about your understanding of the topics covered in this assessment?	A) Very Confident	B) Somewhat Confident	C) Not Confident	
2. How well do you think you prepared for this assessment?	A) Very Well	B) Somewhat Well	C) Not Well	
3. What do you think you could have done differently to improve your performance on this assessment?	A) Studied thoroughly	B) Practiced more	C) Asked for help from the teachers or peers.	