



IDEAL INDIAN SCHOOL, DOHA - QATAR
ANNUAL EXAMINATION - MARCH 2024
SCIENCE

Class: V
Date: 19.03.2024


SET 2

Max marks: 80
Duration: 3 hours

General Instructions:


1. The Question Paper comprises five sections A, B, C, D. There are 40 questions in the question paper.
2. Section A –question no 1 to 28 consisting of multiple choice questions, fill in the blanks, assertion reasoning type questions, give one word, two case based questions, match the following carrying one mark each.
3. Section B –question no 29 to 32 are short answer type questions, carrying 2 marks each.
4. Section C- question no 33 to 36 are short answer type questions, carrying 3 marks each with one internal choice.
5. Section D- question no 37 to 40 are long answers of 5 marks each with one internal choice.
6. All questions are compulsory. There is no overall choice .However, internal choices have been provided in some questions.

| Q. No. | SECTION - A | Marks |
|----------|---|-------------------|
| I | Choose the correct answer. | 10 x 1= 10 |
| 1 | The energy generated at power stations and supplied to our homes is called - a) mechanical energy b) kinetic energy c) potential energy d) electric energy | 1 |
| 2 | The nerves that carry messages from the sense organs to the brain are called a) sensory nerves b) motor nerves c) mixed nerves d) spinal cord | 1 |
| 3 | In which of these simple machines is the load in the middle? a) scissors b) nutcracker c) tongs d) none of these | 1 |
| 4 | Which part of the eye is sensitive to light and colour? a) cornea b) iris c) pupil d) retina | 1 |
| 5 | Which water is mainly used in car batteries, science experiments and in medicines a) boiled water b) distilled water | 1 |

| | | |
|------------|---|--------------|
| | c) rain water d) sea water | |
| 6 | <p>Which property of air is shown by this experiment?</p>  <p>a) Air exerts pressure from all sides b) Air is needed for burning c) Air has weight d) Air can be compressed</p> | 1 |
| 7 | <p>The food chain starts from _____</p> <p>a) consumers b) decomposers c) producers d) none of these</p> | 1 |
| 8 | <p>If the weight of any object is 15 kg and the volume is 5 litre, the density of the object is –</p> <p>a) 5 kg/litre b) 3 kg/litre c) 6 kg/litre d) 1.5 kg/litre</p> | 1 |
| 9 | <p>Which of these is caused by animal bites?</p> <p>a) fracture b) blister c) rabies d) sprain</p> | 1 |
| 10 | <p>Which of these gases is present in highest percentage in air?</p> <p>a) oxygen b) carbon dioxide c) nitrogen d) argon</p> | 1 |
| II. | Fill in the blanks. | 6x1=6 |
| 11 | The fire extinguisher contains _____ gas to extinguish fire. | 1 |
| 12 | The thinking part of the brain is _____. | 1 |
| 13 | The phase of the moon where the moon is not visible at all is _____. | 1 |
| 14 | An object that is denser than water will _____ in water. | 1 |
| 15 | The _____ gas absorbs harmful rays from the Sun. | 1 |
| 16 | _____ is a simple machine made of two inclined planes. | 1 |
| III | Assertion-Reasoning Type Questions: | 4x1=4 |

| | | |
|-----|---|--------|
| | These consist of two statements-Assertion (A) and Reason (R). Answer the following questions selecting the appropriate option given below: | |
| 17 | <p>Assertion: Reflex actions are automatic reactions of the body. Reason: These actions are controlled by brain.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are 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</p> | 1 |
| 18 | <p>Assertion: The mountaineers carry oxygen while climbing high mountains. Reason: The air becomes thicker as you go higher.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are 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</p> | 1 |
| 19 | <p>Assertion: The ship is made of iron, but it still floats in water. Reason: When the ship is in water, the entire volume of the ship displaces water to make space for itself.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are 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</p> | 1 |
| 20 | <p>Assertion: If a person's clothes catch fire, wrap the person in a blanket or a coat. Reason: Wrapping the person in a blanket or a coat helps to cut off the supply of air to the fire.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are 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</p> | 1 |
| IV. | Answer the following in one word. | 5x 1=5 |
| 21 | The name of the Greek scientist who studied upthrust and displacement is - | 1 |
| 22 | The rays given by the Sun which causes skin cancer and problems in the eye- | 1 |
| 23 | The amount of water vapour present in air is called - | 1 |
| 24 | The bandage used to cut off the supply of blood flow in case of severe bleeding- | 1 |
| 25 | The coloured part of the eye is called - | 1 |
| V. | Read the following passage and answer the following questions: | 5x1=5 |
| 26 | There are many living and non-living things around you. All living things depend on both living and non-living things in many ways to survive. That is why we say that there is interdependence in nature. During the process of photosynthesis, plants take in carbon dioxide and give out oxygen. This oxygen is again used by plants and animals for respiration. Plants and animals also depend on other non-living elements like soil, water and sunlight for certain purposes. The interdependence between plants and animals can be seen by observing how food | |

| | passes from one living thing to another. The series of food passage is called a food chain and ends with the decomposers. Decomposers break down waste and dead bodies into simple substances. | | | | | | | | | | | | | |
|--|---|--------------|----------|--|--------------------------|----------------|------------------|---------------------|---------------|---|------------------|------------------------|--------------|--|
| A | Plants do not depend on animals for _____ a) oxygen b) carbon dioxide c) photosynthesis d) pollination | 1 | | | | | | | | | | | | |
| B | A series of living things showing which one eats which is called _____. | 1 | | | | | | | | | | | | |
| C | Plants are producers of food. a) True b) False | 1 | | | | | | | | | | | | |
| D | In the frog, grasshopper, grass and snake present in the food chain, if the grass is the first then identify the third. | 1 | | | | | | | | | | | | |
| E | Write any two examples of decomposers. | 1 | | | | | | | | | | | | |
| VI. | Read the following passage and answer the following questions: | 5X1=5 | | | | | | | | | | | | |
| 27 | To move anything, we either pull it or push it. When we play cricket we push the ball with the bat. During cycling we push the pedals of the cycle to move it. To open a door, we either push it or pull it. We apply force on different objects to lift, move, open or change their shape. There are different types of forces such as elastic, gravitational, frictional, magnetic, muscular and electrostatic forces. We all need energy to do work. Energy can take many forms. The machines reduce the amount of energy and time required to do any work. We use various tools such as a pair of tongs, a pair of scissors, a wheelbarrow, etc to make our work easier in our everyday life. | | | | | | | | | | | | | |
| A | What is energy? | 1 | | | | | | | | | | | | |
| B | The energy that we get from sunlight is called _____ energy. | 1 | | | | | | | | | | | | |
| C | A pair of tongs and a pair of scissors is an example of complex machine. a) True b) False | 1 | | | | | | | | | | | | |
| D | _____ is a push or pull that acts on an object. | 1 | | | | | | | | | | | | |
| E | Name the type of force in the following situation: i) A leaf falling from the tree ii) An iron nail attracted towards a magnet | 1 | | | | | | | | | | | | |
| VII. | Match the following. | 5x1=5 | | | | | | | | | | | | |
| 28 | <table border="1"> <thead> <tr> <th>Column A</th> <th>Column B</th> </tr> </thead> <tbody> <tr> <td>1. The force that makes a material resist stretching</td> <td>a. balance and movements</td> </tr> <tr> <td>2. spinal cord</td> <td>b. less in water</td> </tr> <tr> <td>3. An object weighs</td> <td>c. cold water</td> </tr> <tr> <td>4. It helps us see things that are far away</td> <td>d. elastic force</td> </tr> <tr> <td>5. treatment for burns</td> <td>e. telescope</td> </tr> </tbody> </table> | Column A | Column B | 1. The force that makes a material resist stretching | a. balance and movements | 2. spinal cord | b. less in water | 3. An object weighs | c. cold water | 4. It helps us see things that are far away | d. elastic force | 5. treatment for burns | e. telescope | |
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| SECTION - B | | | | | | | | | | | | | | |
| VIII. | Answer the following in short. | 4x2=8 | | | | | | | | | | | | |
| 29 | A single fixed pulley does not reduce the effort required to lift a load. How does it make our work easier? | 2 | | | | | | | | | | | | |

| | | |
|--------------------|--|---------------|
| 30 | What do plants get from soil? | 2 |
| 31 | Why water should not be used to put out an electric fire? | 2 |
| 32 | Write the two aims of first aid. | 2 |
| SECTION - C | | |
| IX. | Answer the following in detail: | 4X3=12 |
| 33 | State Archimedes' principle. What are the rules for floating and sinking according to Archimedes' principle | 3 |
| 34 | Name the different parts of the brain and also describe their functions. | 3 |
| 35 | What is distillation? Draw and label the process of distillation. | 3 |
| 36 | Identify the class of lever. Draw and mark its fulcrum, load and effort shown in the picture given below.  OR Write a note on wind energy and solar energy. | 3 |
| SECTION - D | | |
| X. | Answer the following in detail. | 4X5=20 |
| 37 | What is first aid? What first aid would you provide in the case of nose bleeding. | 5 |
| 38 | What do you mean by soil erosion? How do building river embankments and step farming help in reducing soil erosion | 5 |
| 39 | How will you get the soluble solid back from water. How is water made fit for drinking in the city waterworks? OR Write any two ways by which the germs in drinking water can be killed. Describe the process of sedimentation and decantation. | 5 |
| 40 | Mention two ways in which artificial satellites are useful to us. Draw and Explain lunar eclipse. | 5 |
