

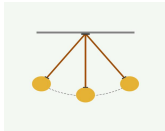
Directorate of Education, GNCT of Delhi
Practice Paper (Session: 2024-25)
Class: VIII Subject: Science

Duration: 2.30 hours

Maximum Marks: 60

General Instructions:

1. All questions are compulsory.
2. This question paper consist Section A, B and C. Marks are indicated against each question.
3. Section A consists of objective type questions, answer these question in one word or one sentence.
4. Section B consist of short and long answer type of questions and
5. Section C consist of Competency based.
6. There is no overall choice. However, internal choice is given in some of the questions. Only one of the choices in such questions has to be attempted.

Section A		
Q. No.	Questions	Marks
1.i	The same kind of plants grown and cultivated on a large scale at a place is called _____.	1
ii	Give one example of a situation in which applied force causes a change in the shape of an object.	1
iii	Least polluting fuel for vehicle is _____.	1
iv	Name a rabi crop that is also one of the pulses. OR What are weeds?	1
v	Force has magnitude as well as direction.(True/ False)	1
vi	Identify the part which vibrates to produce sound in a flute	1
vii	Fossil fuels can be made in the laboratory. (True/False)	1
viii	Define an electrostatic force.	1
ix	Coke is almost pure form of carbon. (True/False)	1
x	The process of depositing a layer of any desired metal on another material by means of electricity is called _____.	1
xi	A force can act on an object only when it is in contact with it. (True/False) OR Force per unit area is called gravity.(True/False)	1
xii	Process of separation of different constituents from petroleum is called _____.	1
Section B		
2	A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad. OR In the following situation - 'Squeezing a piece of lemon between the fingers to extract its juice' Identify the agent exerting the force and the object on which it acts.	2
3	You have been given two copper plates of a particular size, copper sulphate solution. Draw a simple circuit to show electroplating. OR When the free ends of a tester are dipped into a solution, the magnetic needle shows deflection.Explain	2
4	A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency. 	2
5	What are the major groups of microorganisms?	2
6	State the laws of reflection.	2
7	What are antibiotics? Precaution must be taken while taking antibiotics. Write any one. OR Name the microorganisms which can fix atmospheric nitrogen in the soil.	2

8	List any three sources of noise pollution in your surroundings. OR How noise pollution is harmful to human. Write any three points.	3																												
9	In India, the Petroleum Conservation Research Association (PCRA) advises people how to save petrol/diesel while driving. Write any three tips.	3																												
10	Explain why? (i) In case of a fire, before the firemen use the water hoses, they shut off the main electrical supply for the area. (ii) A child staying in a coastal region tests the drinking water and also the seawater with his tester. He finds that the compass needle deflects more in the case of seawater.	3																												
11	What is irrigation? Describe briefly two methods of irrigation which conserve water. OR List step wise agricultural practices to make a flow chart of sugarcane crop production.	3																												
Section C																														
12	<p>Match Column I with Column II</p> <table border="0"> <thead> <tr> <th>S. No.</th> <th>Column I</th> <th>S.NO.</th> <th>Column II</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>The process of the fusion of the gametes</td> <td>i</td> <td>IVF</td> </tr> <tr> <td>B</td> <td>Eggs are produced here</td> <td>ii</td> <td>Testes</td> </tr> <tr> <td>C</td> <td>The term used for bulges observed on the sides of the body of hydra</td> <td>iii</td> <td>Fertilisation</td> </tr> <tr> <td>D</td> <td>A type of fission in amoeba</td> <td>iv</td> <td>Buds</td> </tr> <tr> <td>E</td> <td>Another term for in vitro fertilisation</td> <td>v</td> <td>Ovary</td> </tr> <tr> <td>F</td> <td>Sperms are produced in these male reproductive organs</td> <td>vi</td> <td>Binary</td> </tr> </tbody> </table>	S. No.	Column I	S.NO.	Column II	A	The process of the fusion of the gametes	i	IVF	B	Eggs are produced here	ii	Testes	C	The term used for bulges observed on the sides of the body of hydra	iii	Fertilisation	D	A type of fission in amoeba	iv	Buds	E	Another term for in vitro fertilisation	v	Ovary	F	Sperms are produced in these male reproductive organs	vi	Binary	6
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13	<p><i>Read the passage and answer the following questions.</i></p> <p>It is necessary that you take proper care of your eyes. If there is any problem you should go to an eye specialist. Have a regular checkup. If advised, use suitable spectacles. Too little or too much light is bad for eyes.</p> <p>(i) The amount of light entering the eye is controlled by- (a) cornea (b) iris (c) eye lens (d) ciliary muscle</p> <p>(ii) The defect to which a person is not able to see the distant objects clearly is- (a) Cornea (b) Myopia (c) Hypermetropia (d) Cataract</p> <p>Attempt any one from (iii) or (iv).</p> <p>(iii) Which one of the following statements is correct regarding rods and cones in the human eye? (a) cones are sensitive to dim light (b) cones are sensitive to bright light (c) rods are sensitive to bright light (d) rods can sense colour</p> <p>OR</p> <p>(iv) Which of the following actions is NOT advisable for caring of your eyes- (a) Do not look at the Sun or a powerful light directly. (b) Rub your eyes, if particles of dust go into your eyes. (c) Always read at the normal distance for vision. (d) Include in the diet components which have vitamin A.</p>	6																												

14	<p>Read the passage and answer the following questions. Plants are the only organisms that can prepare food for themselves by using water, carbon dioxide and minerals. The raw materials are present in their surroundings.</p> <p>(i) What is the primary mode of nutrition in plants? (a) Heterotrophic (b) Autotrophic (c) Saprotrophic (d) Parasitic</p> <p>(ii) Which part of the plant is mainly involved in the absorption of light energy? (a) Roots (b) Stem (c) Leaves (d) Flowers</p> <p>Attempt any one from (iii) or (iv).</p> <p>(iii) Through which part of the plant does carbon dioxide enter the leaves? (a) Stomata (b) Cuticle (c) Root hair (d) Petals</p> <p>OR</p> <p>(iv) What is the process called where plants make their food using sunlight? (a) Respiration (b) Transpiration (c) Photosynthesis (d) Digestion</p>	6
15	<p>Read the passage and answer the following questions. Different animals are adapted to their surroundings in different ways. The organisms depend for their food, water, shelter and other needs on their habitat. They have certain features that help them live in the surroundings in which they are normally found.</p> <p>(i) Aakash comes across an animal having a stream-lined and slippery body. What is the habitat of the animal? (a) Water (b) Desert (c) Grassland (d) Mountain</p> <p>(ii) Although organisms die, their kind continues to live on earth. Which characteristic of living organisms makes this possible? (a) Respiration (b) Reproduction (c) Excretion (d) Movement</p> <p>Attempt any one from (iii) or (iv).</p> <p>(iii) Earthworms breathe through their (a) skin (b) gills (c) lungs (d) stomata</p> <p>OR</p> <p>(iv) The surroundings where animals live is called- (a) Adaptation (b) Habitat (c) Location (d) Biotic component</p>	6