

CLASS VI
MIDTERM EXAMINATION (2022–23)
SUBJECT: SCIENCE
Set B1

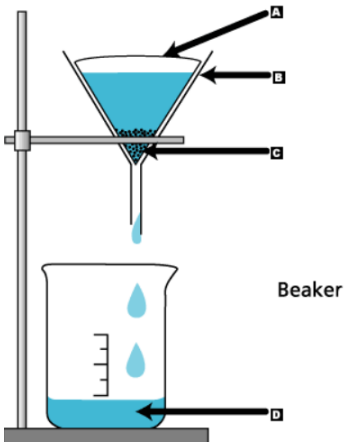
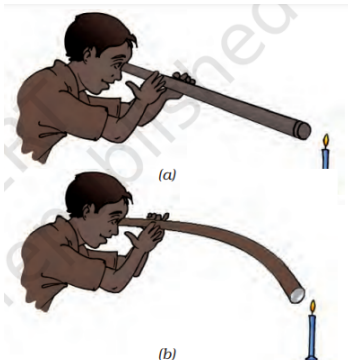
Time Allowed: 3hr

Max Marks: 80

	General Instructions : i) All questions are compulsory. ii) Internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions. iii) Draw neat and labelled diagrams wherever necessary with a pencil. iv) Please note that the paper consists of 7 printed pages.	
	QUESTIONS	MARKS
Q.No	SECTION A Q1 to 4 (each subpart carries 1 mark each)	
1 (i)	Choose the correct option for the following: Which of the following is a rich source of fats: (a) Butter (b) Apple (c) Spinach (d) Sunflower seeds	1
(ii)	Energy giving foods in our body are: (a) Vitamins (b) Protein (c) Carbohydrates (d) Minerals	1
(iii)	Deficiency of vitamin A causes: (a) Loss of vision (b) Rickets (c) Goiter (d) Scurvy	1
(iv)	Which of the following cannot form a shadow: (a) Wall (b) Steel plate (c) Cardboard (d) Transparent plastic sheet	1

(v)	A mixture of sand and iron nails can be separated by: (a) Winnowing (b) Sieving (c) Filtration (d) None of these	1
(vi)	The process of conversion of water vapours into liquid is called: (a) Condensation (b) Decantation (c) Sedimentation (d) Evaporation	1
(vii)	Which of the following methods would be most appropriate to separate butter from curd: (a) Handpicking (b) Winnowing (c) Sieving (d) Churning	1
(viii)	One meter is equal to millimeter. (a) 10 (b) 1000 (c) 100 (d) 10000	1
(ix)	The standard unit of measuring distance is: (a) Meter (b) Handspan (c) Yard (d) Cubit	1
(x)	Human skin is _____ in nature: (a) Translucent (b) Transparent (c) Opaque (d) None of these	1
2	Fill in the blanks: (i) _____ is caused by the deficiency of Vitamin D. (ii) Starch is present in _____. (iii) Sugar _____ in water. (iv) We dry our clothes by using the process of _____. (v) Motion of a child on a swing is _____. (vi) Sun is an example of _____ object.	6*1

11	Write any two differences between the nature of images formed by a plane mirror and a pinhole camera.	1+1
	SECTION C Q12 to Q16 carry 3 marks each(Q13 has an internal choice)	
12	Identify the method of separation that can be used to separate the following: (a) Tea leaves from tea (b) Sand from stones (c) Oil and water	3
13	(i) What is a saturated solution? (ii) Suggest two ways to make a saturated solution unsaturated. OR (i) Differentiate between threshing and winnowing.(two points for each) (ii) Why do we need to separate different components of a mixture?	1 2 2 1
14	(i) What is a balanced diet? (ii) What happens when a person does not get enough protein in his/her food for a long time.(two points)	1 2
15	Define a shadow. List any two conditions/ things necessary for the formation of shadow.	1+2
16	Define the following with examples: (a) Opaque objects (b) Translucent objects (c) Transparent objects	1*3
	SECTION D Q17 to Q19 carry 5 marks each(Q18 has an internal choice)	
17	State the function of the following nutrients in our body: (i) Carbohydrates (ii) Proteins (iii) Iodine (iv) Iron (v) Calcium	1*5

18	<p>Study the given picture and answer the questions given below:</p> <p>(i) Identify the process of separation and define it.</p> <p>(ii) Label any three parts out of A, B, C and D .</p> <div data-bbox="557 327 898 766">  <p style="text-align: center;">OR</p> <p>You are provided with a mixture of sand, salt, oil and water. Arrange the following steps in the correct sequence for separating salt, sand, water and oil from the mixture:</p> <p>Evaporation of solution , leave the mixture undisturbed for sedimentation, filter the solution to remove insoluble components, condensation of vapours to obtain liquid , decantation.</p> </div>	5
19	<p>(i) Study the picture given below and answer the questions that follow:</p> <div data-bbox="586 1241 932 1598">  </div> <p>(i) What will you observe in :</p> <p>(a) Case A</p> <p>(b) Case B</p> <p>(ii) What do you conclude from the above activity?</p> <p>(ii) Why should we never look directly at the Sun? Suggest a method to look at the sun/ solar eclipse safely.</p>	<p>2</p> <p>1</p> <p>2</p>

	<p style="text-align: center;">Section E</p> <p style="text-align: center;">Q20 and 21 are Case based questions, carry 5 marks each</p>	
20	<p>Read the passage given below and answer the questions that follow based on the passage and related concepts:</p> <p>In our daily life we use various types of measuring devices. We use a metre scale for measuring length. A tailor uses a tape, whereas a cloth merchant uses a metre rod. For measuring the length of an object, you must choose a suitable device.</p> <p>(i) While taking measurement with a scale, we should:</p> <p>(a) Never keep the ruler along the length to be measured (b) Use worn out portions of the ruler (c) Keep the eye vertically above the point where the measurement is to be taken (d) Hold the scale in any direction</p> <p>(ii) Measurement means the comparison of an unknown quantity with some known quantity. This known fixed quantity is called:</p> <p>(a) Number (b) Unit (c) Meter (d) Length</p> <p>(iii) Which of the following is most suitable to measure the girth of a tree:</p> <p>(a) Scale (b) Elastic (c) Meter scale (d) Measuring tape</p> <p>(iv) Name any two ancient modes of transport.</p>	<p>1</p> <p>1</p> <p>1</p> <p>2</p>

21	<p>Read the passage given below and answer the questions that follow based on the passage and related concepts:</p> <p>We see around us various objects like a chair, a bullock cart, a cycle, cooking utensils, books, clothes, toys, water, stones and many more. All these objects have different shapes, colours and uses. All objects around us are made of one or more materials. These materials may be glass, metal, plastics, wood, cotton, paper, mud or soil.</p> <p>(i) Which of the following can be made from wood:</p> <p>(a) Cooking utensils (b) Boat (c) Needle (d) Bed sheet</p> <p>(ii) Identify a round object from the following:</p> <p>(a) Carrom board (b) Wheel (c) Airplane (d) Ship</p> <p>(iii) A non lustrous material:</p> <p>(a) Paper boat (b) Metal key (c) Gold bangle (d) Coin</p> <p>(iv) Complete the following table:</p> <table border="1" data-bbox="321 1266 1170 1465"> <thead> <tr> <th>S.No</th><th>Object</th><th>float/sink</th></tr> </thead> <tbody> <tr> <td>1</td><td>Plastic ball</td><td></td></tr> <tr> <td>2</td><td>Stones</td><td></td></tr> </tbody> </table>	S.No	Object	float/sink	1	Plastic ball		2	Stones		<p>1</p> <p>1</p> <p>1</p> <p>2</p>
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