

KENDRIYA VIDYALAYA SANGATHAN, LUCKNOW REGION
MID TERM EXAMINATION – 2023 – 24
CLASS 6TH
SUBJECT: SCIENCE
SET - 1

Max Marks: 60

Time Allotted: 2½ Hrs.

Instructions:

1. *Section A comprises of question numbers 1 to 10. These are MCQ carrying one mark each. You have to select one most appropriate response out of the four provided options.*
2. *Section B comprises question numbers 11 to 20. These are VSAQs carrying two marks each.*
3. *Section C comprises question numbers 21 to 25. These are SAQs carrying three marks each.*
4. *Section D comprises question numbers 26 to 28. These are Case Study Based / Long answer type questions carrying five marks each.*
5. *All questions are Compulsory!*

Q	Question	Marks
Section – A: Multiple Choice Questions		
1.	Read the food items given below: 1. <i>Wheat</i> 2. <i>Ghee</i> 3. <i>Iodized salt</i> 4. <i>Spinach (palak)</i> Which of the above food items are “energy giving foods”? A. 1 and 4 B. 2 and 4 C. 1 and 2 D. 3 and 4	1
2.	Consider the following: 1. <i>Magnifying glass</i> 2. <i>Mirror</i> 3. <i>Stainless steel plate</i> 4. <i>Glass tumbler</i> Which of the above materials will you identify as transparent? A. 1 and 2 B. 1 and 3 C. 1 and 4 D. 3 and 4	1
3.	Which pair of substances among the following would float in a tumbler half filled with water? A. Rubber band, coin B. Feather, plastic ball C. Iron nail, oil drops D. None of the above	1
4.	Which of the following materials is not lustrous? A. Gold B. Silver C. Wood D. Diamond OR Some material loses their shine and appear dull because of the action of: A. Air B. Water C. Chemicals D. All of these	1
5.	Which of the following mixtures would you be able to separate using the method of filtration? A. Oil in water B. Cornflakes in milk C. Salt in water D. Sugar in milk	1

6.	Which of the following is not a correct match? A. Petiole: attaches leaf to stem B. Lamina: green flat part of leaf C. Margin: gives shape to the leaf D. Veins: transpiration OR Function of root is: A. Preparing food B. Bearing leaves C. Absorption of water and minerals D. Conduction of water	1
7.	Which one of the following best describes characteristics of a tree? A. Weak stem which cannot stand upright. B. Thick, woody stem with branches high on the plant. C. Green, tender stem. D. Thick, woody stem with branching near the base.	1
8.	Which of the following joints is immovable? A. Chest bone and ribs B. Upper jaw and skull C. Lower jaw and upper jaw D. Both A and B	1
9.	Skeleton of our human body is made up of A. Cartilage and muscles B. Bones and muscles C. Bones and cartilage D. None of these OR Which of the following organ system helps to protect internal organs and give support to the body: A. Digestive system B. Excretory system C. Nervous system D. None of these	1
10.	Boojho's grandmother is suffering from diabetes. Her doctor advised her to take 'Lassi' with less fat content. Which of the following methods would be most appropriate for Boojho to prepare it? A. Filtration B. Decantation C. Churning D. Winnowing	1
Section – B: Very Short Answer Type Questions		
11.	On a bright sunny day, Shikha was playing hide and seek with her brother. She hides herself behind a glass door. Do you think her brother will be able to locate her. If yes, why? If no, why not? OR What are transparent materials? Give two examples.	2
12.	What is a balanced diet? OR Name two foods each rich in: 1. <i>Fats</i> 2. <i>Starch</i>	2
13.	Draw and label any two food which prevent bone and tooth decay.	2
14.	What is winnowing? Where is it used?	2
15.	You are provided with a mixture of salt, sand and water. Give stepwise methods to separate each component from this mixture.	2
16.	Identify the wrong statements and correct them: a) The anther is a part of the pistil. b) The number of petals and sepals in a flower is always equal.	2
17.	Which among the following materials would you identify as soft materials and why? <i>Ice, rubber band, eraser, pencil, pearl, a piece of wooden board, cooked rice and fresh chapati.</i>	2

18.	In the given figure, there are two snakes of the same size slithering on sand. Can you identify which of them would move faster and why? 	2
19.	Sheela, Saima and Ravi have to dissolve maximum amount of sugar in the same amount of milk so as to win in a game. Ravi took hot boiling milk while Saima took ice cold milk. Sheela managed to get milk at room temperature. Whom do you think would win the game and why?	2
20.	How is a bird's body adapted for flying?	2
Section – C: Short Answer Type Questions		
21.	Read the story titled “WISE FARMER” and tick the correct option to complete the story: A farmer was <u>sad/happy</u> to see his healthy wheat crop ready for harvest. He harvested the crops and left it under the <u>sun/rain</u> to dry the stalks. To separate the seeds from the bundles of the stalk he <u>handpicked/threshed</u> them. After gathering the seed grain, he wanted to separate the stones and husk from it. His wife <u>winnowed/threshed</u> them to separate the husk and later <u>sieved/handpicked</u> to remove stones from it. She ground the wheat grains and <u>sieved/ filtered</u> the flour. The wise farmer and his wife got a good price for the flour.	3
22.	Fill in the blanks: a) _____ is caused by deficiency of vitamin D. b) Night blindness is caused by the deficiency of _____ in our food. c) Pulses are rich in _____.	3
23.	You are provided with the following materials – <i>“Turmeric, honey, mustard oil, water, glucose, rice flour, groundnut oil.”</i> Make any three pairs of substances where one substance is soluble in the other and any three pairs of substances where one substance remains insoluble in the other substances.	3
24.	 a) Which process is demonstrated in the activity? b) When will this activity show better results – on a bright sunny day or a cloudy day? c) What will you observe in the polythene bag after a few hours of setting up the activity?	3

25.	Provide one-word answers to the statements given below: - Joint which allows movement in all directions. - Joint where our neck joins the head. - Hair like structures present under the body of the earthworm.	3
Section – D: Case Study Based / Long Answer Type Questions		
26.	 - Identify the deficiency disease the lady is suffering from. - How are you able to identify it. - Write the one more symptom of this disease in children. - Which food component may be lacking in her diet. - Name any two food that she should include in her diet.	5
27.	- Write the names of the parts of a plant whose functions are given below: - fixes plant to the soil - prepares starch - Fill in the blanks with the terms that are listed below: <i>“Anther, male, ovary, ovule, petals, pistil, stamen, filament.”</i> Sepals, (a) _____, stamens and (b) _____ are the parts of a flower. Stamen is made up of (c) _____ and (d) _____ and it represents the (e) _____ part of the flower. The female part of the flower is called the (f) _____. The basal, swollen part of the pistil is called the (g) _____ which contains the (h) _____.	5
28.	 - What is the man doing in the above figure. - Identify the method used by him. - Which type of components of a mixture can be separated by this method. - At what places this method is used. - Why do we need to separate the components of a mixture. (Give any one reason) OR The purpose of separation is to separate harmful or non-useful substances that may be	5

mixed with it. Sometimes, we separate even useful components if we need to use them separately. The substances to be separated may be particles of different sizes or materials. These may be solids, liquids or even gases.

The method of handpicking can be used for separating slightly larger sized impurities like the pieces of dirt, stone, and husk from wheat, rice or pulses.

- a) Which method is used to separate slightly larger sized impurities?
- b) Separation techniques are used to separate _____ substances mixed in it.
- c) At home, Pulses or rice is cleaned using _____ method.
- d) Can we use separation technique in different states of matter?
- e) In what forms the separated substances are found?