** SINDHI HIGH SCHOOL, HEBBAL**

**PERIODIC TEST - II (2023-24)**

**SUBJECT – SCIENCE**

**Class: 6 Marks: 30**

**Date: 18/12/2023 Reading Time: 8:30 to 8:40 am Number of printed sides: Writing Time: 8:40 to 09:40 am**

**GENERAL INSTRUCTIONS:**

This Question Paper has 5 **Sections A-E**.

1. This question paper consists of 23 questions in 5 sections.

2. All questions are compulsory.

3. **Section A** consists of 12 objective type questions carrying 1 mark each.

4. **Section B** consists of 4 Very Short questions carrying 02 marks each. Answers to these

questions should be in the range of 30 to 50 words.

5. **Section C** consists of 4 Short Answer type questions carrying 03 marks each. Answers to

these questions should be in the range of 50 to 80 words.

6. **Section D** consists of 2 Long Answer type questions carrying 05 marks each. Answer to

these questions should be in the range of 80 to 120 words.

7. **Section E** consists of 2 source-based/case-based units of assessment of 04 marks each

with sub-parts.

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|  | **SECTION A** |  |
| **Q. NO** | **Section A consists of 09 questions of 1 mark each.** | **MARKS** |
| **1)** | Rectilinear propagation of light means  a) Light travels in a curved line b) Light travels in a straight line  c) Light travels in a circular path d) Light travels in a zigzag path | **1** |
| **2)** | \_\_\_\_\_\_\_ takes place when a beam of light falls on a smooth, polished surface.  a) Refraction b) Dispersion c) Reflection d)Radiation | **1** |
| **3)** | Observe the picture in the given figure carefully.  NCERT Exemplar Class 6 Science Chapter 11 Light, Shadows and Reflections -  CBSE Labs  A patch of light is obtained at B, when the torch is lit as shown in the figure. Which of the following is kept at position A to get this patch of light?  a) A wooden board b) A glass sheets  c) A mirror d) A sheet of white paper | **1** |
| **4)** | Which one of the following could be similar to the rain water?  a) Saturated water b) Saline water c) Distilled water d) Carbonated water | **1** |
| **5)** | A woman uses the traditional method of sorting rice called ...  Identify the suitable method of separation and scientific  principle observed in the given figure.  a) Sieving, size of the components  b) Hand picking, colour of the components  c) Magnetic separation, magnetic property of the  components  d) Winnowing, weight of the components | **1** |
| **6)** | Alum is added to muddy water to  a) kill germs b) powder the suspended particles  c) remove colour d) speed the settling of suspended particles | **1** |
| **7)** | Foods like Pizza, Burger and Noodles are rich in  a) Carbohydrates b) Vitamins c) Roughage d) Proteins | **1** |
| **8)** | The highest concentration of minerals are found in  a) Arms and legs b) Bones and teeth c) Skin d) Hair | **1** |
| **9)** | Over cooking of food in excess water and straining it, results in  a) improving digestion of food b) improving the taste of food  c) kills germs in food d) loss of nutrients in food | **1** |
|  | **Assertion Reason based question:**  **In the following questions a statement of assertion (A) is followed by a statement of Reason(R). Choose the correct option.**  **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**. |  |
| **10)** | **Assertion:** Light allows us to see objects around us.  **Reason:** When light from a luminous object falls on an object around us then it  travels towards our eye. | **1** |
| **11)** | **Assertion:** Bundles of wheat or paddy stalks are dried in the sun.  **Reason:** The process of separating the grains from the stalks is done by threshing. | **1** |
| **12)** | **Assertion:** Pulses are considered as body building food.  **Reason:** Pulses help protect our body from diseases. | **1** |
|  | **SECTION B** |  |
|  | **Section B consists of 04 questions of 2 marks each.** |  |
| **13)** | Correct the following statements.  a) Kaleidoscope works based on the principle of shadow formation.  b) Transparent objects allow light to pass through them partially. | **2** |
| **14)** | a) What is a pinhole camera used for?  b) What type of an image is formed by a pinhole camera? | **2** |
| **15)** | ‘Vitamins and minerals are essential in very small quantities by our body compared to other components, but still, they are an important part of our balanced diet. Explain the statement. | **2** |
| **16)** | While using iodine solution in the lab, a few iodine drops fell on Paheli’s socks, and a few fell on her teacher’s saree. The iodine drops on the saree turned blue-black, while the colour did not change on the socks. What can be the possible reason? | **2** |
|  | **SECTION C** |  |
|  | **Section C consists of 4 questions of 3 marks each.** |  |
| **17)** | a) Differentiate between luminous and non-luminous objects  b) There is no life without light. Why? | **3** |
| **18)** | Explain the reasons for separating mixtures into their components with the help of examples. | **3** |
| **19)** | Water does not provide nutrients, but it is an essential component of food’. Explain. | **3** |
| **20)** | Read the food items listed below. Classify them into carbohydrate rich, protein rich and fat rich foods.  Moong dal, fish, mustard oil, sweet potato, butter, white bread. | **3** |
|  | **SECTION D** |  |
|  | **Section D consists of 02 questions of 5 marks each.** |  |
| **21)** | Light Shadows and Reflection Class 6 Notes Science Chapter 11  Ragini was curious about shadows. She observed herself at different times of the day. Her friend informed that shadows are formed  1. If Ragini wants to perform a shadow show in class what things are essential for the show?  2. What time of the day does Ragini find the shadows to be the longest and shortest?  3. Can Ragini see the shadow of the birds flying high in the sky. Why?  4. Suggest a situation where multiple shadows of an object are obtained at a time. | **5** |
| **22)** | Palak was feeling thirsty, there was only a pot of muddy water at home which was unfit for drinking.  How do you think she can make the water fit for drinking?  If Palak had access to the following items, how do you think she would have made this water safe to drink? [Alum, tub, muslin, pan, thread, and lid.] | **5** |
|  | **SECTION E** |  |
|  | **Section E consists of 02 Case study of 4 marks** |  |
| **23)** | Students were asked to perform different methods of separation in the laboratory. Ravi’s group performing the method as shown in the figure.  a) Identify the method of separation in the given figure that Ravi’s group were performing.  b) Name the parts 1, 2, 3, 4  c) Write any two instances where this process can be used.  Look at the following diagram and labelthe apparatuses ... | **4** |
| **24)** | We know that each dish is usually made up of one or more ingredients, which we get from plants or animals. These ingredients contain some components that are needed by our body. Along with these ingredients we also need water and fibre rich food.  1) What is a balanced diet?  2) Does washing vegetables before cutting and not after cutting make a difference? Why?  3) What do you observe when we take a few groundnuts and crush it on a piece of paper? Which nutrient is present in it?  4) Take a small quantity of peas, make a paste of it in a clean test tube, add 10 drops of water and shake the test tube. Now using a dropper, add two drops of copper sulphate solution and ten drops of caustic soda to the test tube. Shake the test tube well.  What colour do you see and what does this indicate? | **4** |

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