

**SINDHI HIGH SCHOOL, HEBBAL**

**III - Periodic Test [2022-23]**

**Subject: Science**

**Class: VII Max. Marks: 30**

**Date: 06.02.2023 Reading time: 8:15 am to 8:25 am**

**No. of sides: 03 Writing Time: 8:25 am to 9:25 am**

**General Instructions:**

The question paper consists of 15 questions in 5 sections.

All questions are compulsory.

**Section A** consists of 6 objective type questions carrying 1 mark each.

**Section B** consists of 4 Very Short questions carrying 1 & 2 marks each.

**Section C** consists of 3 Short Answer questions carrying 3 marks each.

**Section D** consists of 1 Long Answer question carrying 5 marks.

**Section E** consists of one Case Study Based question carrying 4 marks with sub parts.

**SECTION- A**

1. Which mark is necessary on electric appliances-

(a) AGMARK (b) ISI

(c) FICCI (d) KSK **[1]**

2. Which layer of soil is the home of burrowing animals?

(a) Bed rock (b) parent rock

(c) A - horizon (d) B – horizon **[1]**

3. Given below from (i) to (iv) are some food items-

(i) Boiled and smashed potato **[1]**

(ii) Glucose solution

(iii) A slice of bread

(iv) chewed rice

Which of the above will give blue- black colour when tested with iodine?

(a) (i) and (ii) (b) (i) and (iii)

(c) (ii) and (iii) (d) (iii) and (iv)

**For question numbers 4, 5 and 6 two statements are given- one labelled Assertion (A) and the other labelled Reason (R).**

**Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:**

1. **Both A and R are true, and R is correct explanation of the assertion.**
2. **Both A and R are true, but R is not the correct explanation of the assertion.**
3. **A is true, but R is false.**
4. **A is false, but R is true.**

4**. Assertion:** Tungsten metal is used for making filament of electric bulb.

**Reason:** Melting point of tungsten is very low. **[1]**

5. **Assertion:** Humus makes the soil fertile.

**Reason:** Humus is rich in organic matter. **[1]**

6. **Assertion:** The inner lining of the stomach produce mucus, HCl and

digestive juices.

**Reason:** The stomach is thick walled bag like structure. **[1]**

**SECTION- B**

7. Draw the symbols for the following.

(a) switch in the off position

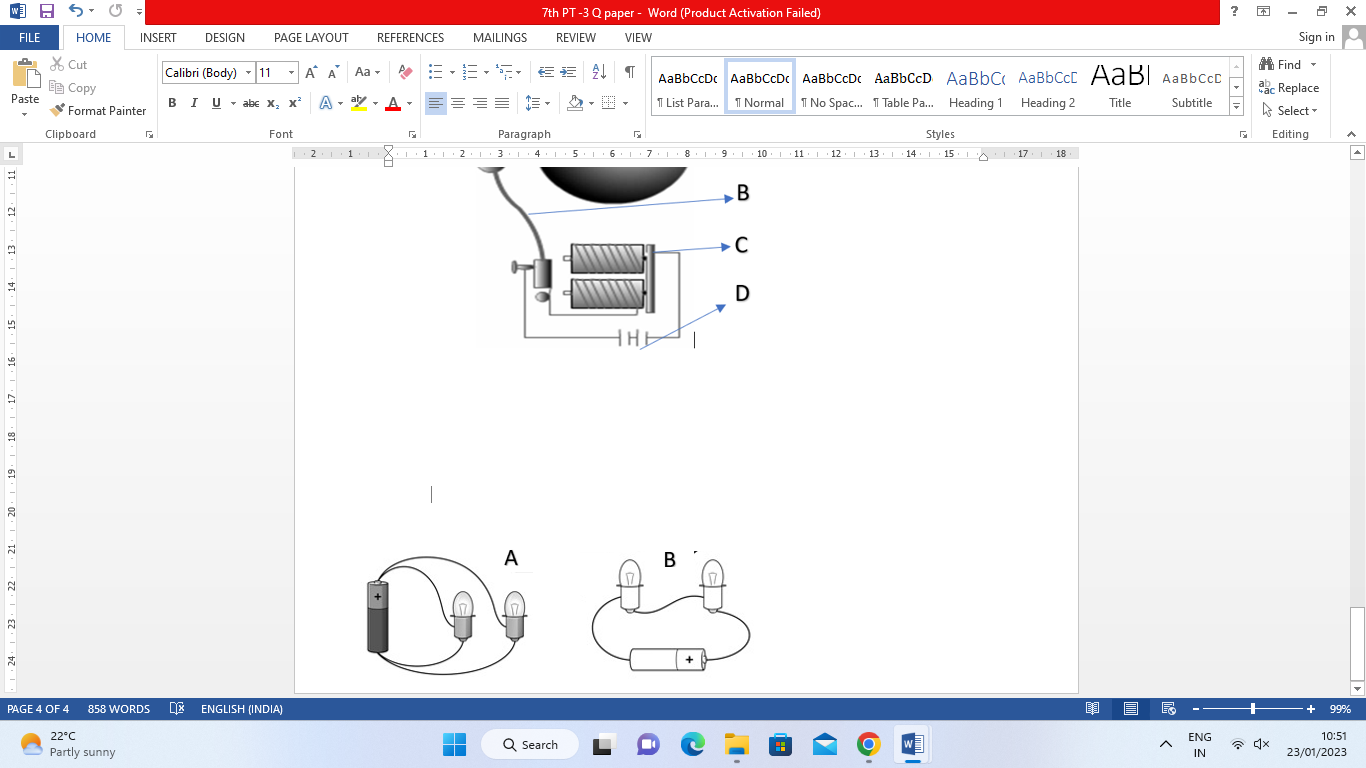
(b) electric cell **[½+½]**

8. Mention any two electric devices for which heating effect of current is used.

**[½+½]**

9. (a) Identify the type of connection in the following pictures A and B.

(b) Which one is more advantageous to us and why ? **[1+1]**



10. (a) Continuously water logged soils are disadvantageous for plant growth, why?

(b) Give appropriate term for the following statements –

(i) The process of movement of water into deeper layers of soil.

(ii) The process of breaking of rocks to form soil. **[1+1]**

**SECTION- C**

11. Write any 3 difference between two soil types used for agriculture. **[3]**

12. With the help of labelled diagrams, describe nutrition in Amoeba. **[3]**

13. A soil sample was taken from an agricultural land and was weighed. The

Mass of the soil was found to be 50 g. 100 ml of water was taken in a

measuring cylinder initially and added to the soil sample drop by drop . 80

ml of water is left in the measuring cylinder after complete absorption by

the soil. Calculate the percentage of absorption of water by the soil. **[3]**

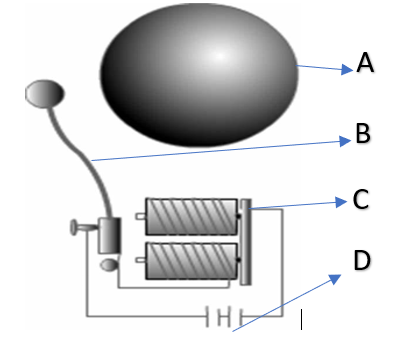
**SECTION- D**

14. (a) Identify the picture given below and mention the principle based on

which the device works and write any other two applications of this

principle.

(b) Name the parts A, B, C and D.

 (c) Why is an electric fuse required in all electric devices. **[2+2+1]**

**SECTION- E**

**Read the passage and answer the following questions from 15(i) to 15(iv)**

15. All organisms need food, water and oxygen for survival. Nutrition is a process through which all animals obtain their food. Animal nutrition includes in take of food and its utilization in the body for growth and energy. Humans take wholesome food and so do majority of animals. This type of nutrition of taking in readymade solid or liquid organic food is called holozoic nutrition.

(i) The finger like outgrowths of human intestine helps to -

**[1]**

(a) make the food soluble.

(b) absorb the digested food.

(c) absorb the undigested food.

(d) digest carbohydrate.

(ii) The process in which the absorbed food is used for producing energy is

Called- **[1]**

(a) ingestion (b) absorption

(c) assimilation (d) digestion

(iii) The teeth of the first set that grew during infancy are called- **[1]**

(a) permanent teeth (b) milk teeth

(c) hard teeth (d) cutting teeth

(iv) The function of the tongue is- **[1]**

(a) digest the food.

(b) convert the food into semisolid paste.

(c) mix the food with saliva and swallow it.

(d) pass out undigested waste material.

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