

HOLIDAY HOMEWORK

SUBJECT: SCIENCE

CLASS VII

Session 2022 - 23

I. Prepare a dictionary of your own which consists of words from class VII science text books.

II. Make a poster on any of the following topics:

A. fiber to fabric. (You can use both natural and manmade fabric.)

B. Waste water management.

C. Disaster management

The following to be done in A4 size paper

III. Draw the following diagram. (Use color pencils wherever necessary.)

Digestive system

A. Life cycle of Silk worm.

B. Photosynthesis

C. Electric circuit

D. Structure of heart

E. Structure of lungs

IV. Plan to go to a place by vehicle with your parents. Take readings of odometer and speedometer after every 5 minutes till you reach your destination. Record these observations in tabular form; plot graphs between distance-time and speed time. State whether this motion is uniform or nonuniform motion.

V. ANSWER THE FOLLOWING QUESTIONS (TO BE DONE ON CLASSWORK COPY)

1. Write the functions of different types of teeth in human beings.

2. 'A' got her gall bladder removed surgically as she was diagnosed with stones in her gallbladder. After the surgery, she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why?

3. Boojho took some grains of boiled rice in test tube 'A' and Paheli took boiled and chewed rice in test tube 'S'. Both of them poured 1-2 drops of iodine solution into the

test tube and observed the color change. What color change would they have observed? Give reasons for your Answer.

4. Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons why he was coughing and discuss it with your friends?

5. Draw the labeled diagram of tongue showing different regions for taste buds.

6. Little Rishi (student of class VI) was watching his favorite cartoon serial on television. Suddenly he got hiccups. His elder brother Shubham who was sitting nearby gave him a glass of water and suggested not to eat too fast in a hurry. Little Rishi got confused as he had heard that 'hichki' comes when someone remembers. He asked his father. His father smiled and explained to him that it is only a myth. He also explained him the proper scientific reason behind it

(a) What is hiccup?

(b) Why do we get hiccup?

(c) What are the values shown by Rishi? [Value Based Question]

7. Define oral rehydration solution and when it is given to the patient? How can you prepare ORS at home?