

Date : _____

Holidays Homework

Class : VIII

Day : _____

Subject : Science

Sec : A to M

Time allotted: 1 hour+

30 min

I. Define the following terms:

- | | |
|---------------------------------|--|
| i) Acrylic | ii) Biodegradable and non biodegradable material |
| iii) Pollution | iv) Green House Effect |
| v) Vaccination | vi) Antibiotics |
| vii) Prokaryotes and Eukaryotes | viii) Nitrification |
| ix) Nitrogen Fixation | x) Pasteurization |

II. Applicative and Reasoning Questions

- i) What will happen to 'unused kneaded flour' if they are left in the open for a day or two? (2)
- ii) While returning from the school, Karun ate chaat from a street hawker. When he reached home, he felt ill. What would be the reason? (2)
- iii) Combustion of fossil fuels generates a lot of air pollution. Can you suggest any two alternative sources of energy which do not cause pollution? (2)
- iv) A lot of dry leaves are collected in a garden and burnt. Do you think that it is right to do so? If not, what should be done to dispose off the dry leaves?

III. Draw neat and well labelled diagram for the following:

- | | | |
|-----------------|-------------------------|------------|
| i) Animal cell | ii) Nerve cell | iii) Virus |
| iv) Onion cells | v) Rhizopus & Spirogyra | |

Value Based Questions

- I. Priyanka's mother went to the market to buy new lunch box and water bottle for her. She saw different lunch boxes made up of plastics as well as steel. But Priyanka selected a lunch box made up of steel instead of plastic one.

Read the passage and answer the following questions

- a) Why Priyanka selected a steel lunch box?
- b) Is plastic materials environment friendly? Comment on this statement.
- c) What values are shown by Priyanka? (3)
- II. Aditya took with him some nylon ropes, When he was going for rock climbing instead of ropes made up of cotton or jute?
- a) Why Aditya selected nylon ropes?
- b) Give any other two uses of nylon.
- c) What values are shown by Aditya? (3)

- III. Global warming causes various serious effects to life on earth. Rahul was keen on knowing about the causes and effects of Global Warming. He asked his teacher about this.
- a) Write any two causes of Global Warming.
 - b) At an individual level, how can you help to reduce the effect of Global Warming? (any two points)
 - c) Identify the values shown by Rahul. (3)
- IV. Madhav's mother told him to wash his hands with soap before eating because his hands might have bacteria. Madhav did not believe her because he couldn't see the bacteria on his hands.
- a) Why Madhav couldn't see the bacteria on his hands?
 - b) How bacteria can be harmful to us?
 - c) Identify the values shown by Madhav's mother. (3)
- V. During Science class, teacher was explaining about microbes and how they are useful to human hearing this, Jaspreet got confused as she knew the microbes causes diseases. She asked his teacher about it.
- a) What are microbes?
 - b) How are microbes helpful to humans?
 - c) Mention the values shown by Jaspreet? (3)