

**HARTMANN COLLEGE, BAREILLY**  
**HOLIDAY HOME WORK 2016-17**  
**CLASS VIII**  
**SUBJECT- SCIENCE**

**TOPIC - MICROORGANISMS**

**Q1. Algae -**

- i. Where are they found?
- ii. Detailed information on two useful algae and two harmful algae.
- iii. Click and paste pictures of algae found in your neighborhood.
- iv. Write a brief report on 'eutrophication' with relevant pictures.
- v. Compare algae with plants.

**Q2. Fungi -**

- i. Where are they found?
- ii. Detailed information with pictures and samples of two useful and two harmful fungi.
- iii. Click and paste pictures and samples of moulds and mushrooms.
- iv. Write a brief report on fungal diseases with relevant pictures.
- v. Explain two methods to check fungal growth on food items.

**Q3. Virus -**

- i. Where are they found?
- ii. Name any 5 diseases caused by viruses. Also give the following information about the same:
  - Carriers of the disease
  - Symptoms
  - Mode of transmission
  - Methods of prevention and control
  - Click/collect and paste relevant pictures
- iii. Name a few viral diseases that can be prevented by timely vaccination. Also mention the age at which that particular vaccine should be given to a child.

**Q4. Bacteria -**

- i. Where are they found?
- ii. Name any 5 diseases caused by bacteria in plants and animals. Also give the following information about the same:
  - Carriers of the disease
  - Symptoms
  - Mode of transmission
  - Methods of prevention and control
  - Click/collect and paste relevant pictures

- iii. Name a few bacterial diseases that can be prevented by timely vaccination. Also mention the age at which that particular vaccine should be given to a child.
- iv. Name a few antibiotics which are commonly prescribed by the doctors during summer season.
- v. Write a brief report on 'sorter's disease'.

**Q5. Protozoa -**

Where are they found?

- i. Name any 5 diseases caused by protozoa. Also give the following information about the same:
  - Carriers of the disease
  - Symptoms
  - Mode of transmission
  - Methods of prevention and control
  - Click/collect and paste relevant pictures
- ii. Name a few commonly found protozoans. Draw their diagrams, name their locomotory organs and describe the mode of reproduction in them.
- iii. Write a brief report on diarrhea and the first aid to be given to a patient of diarrhea.