

Chapter: 1

Q.1 A) Choose the correct alternative and rewrite the sentence (2)

- 1) Mode of nutrition in fungi
a. Autotrophic b. Heterotrophic c. Saprophytic d. Symbiotic
- 2) Tobacco plant is attacked by
a. tobacco virus b. tobacco yeast virus c. tobacco mosaic virus d. None of these

Q.2 B) Solve the following questions. (3)

1) State True or False (1)

- 1) Fungi carry out photosynthesis with the help of chloroplast present in the cell.

2) Find the odd one out (1)

- 1) Polio, Influenza, Wilt, AIDS

3) Name the following (1)

Institute in Pune involved in research on viruses.

Q.2 Solve the following questions. (Any two) (4)

1) Write Short Notes

Viruses.

2) Distinguish between

Kingdom Monera and Kingdom Protista.

3) Give scientific reasons

Bacteria are prokaryotic in nature.

Q.3 Answer the following in detail (Any TWO) (6)

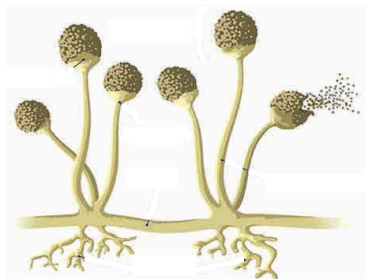
- 1) Classify the organisms into their respective kingdoms as per Whittaker's five kingdom classification.

	Organism	Kingdom
i.	Euglena
ii.	Lactobacillus
iii.	Birds
iv.	Aspergillus
v.	Volvox
vi.	Cats

vii.	Amoeba
viii.	Cocci
ix.	Candida
x.	Herbs

2) State the merits of Whittaker's method of classification.

3) Identify the organism and answer the question given below.



- Name the kingdom to which this organism belongs.
- State any two characteristics of this kingdom.
- Give any two examples of organisms from this kingdom.

Q.4 Solve the following questions. (Any one)

(5)

- Nomenclature is the system of scientific naming of living beings so that they can be uniformly identified all over the world. The system of scientific naming was introduced by Carolus Linnaeus. The name of genus begins with a capital letter. The name of species begins with a small letter. When printed, the scientific name is typed in italics. When written by hand, the genus name and species names have to be underlined.
 - What do you understand by nomenclature?
 - Who introduced this system?
 - How is the scientific name mentioned when it is printed?
 - Give any one scientific name of bacteria that you have studied.
- Explain the criteria followed by Whittaker for his five kingdom classification.