



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

BIOLOGICAL CLASSIFICATION

Very Short Answer Type Questions

1. What is the nature of cell-walls in diatoms?



Watch Video Solution

2. How are viroids different from viruses?



[Watch Video Solution](#)

3. What do the terms phycobiont and mycobiont signify?



[Watch Video Solution](#)

4. Find out what do the terms 'algal bloom' and 'red-tides' signify



Watch Video Solution

5. State two economically important uses of:

(a) Heterotrophic bacteria

(b) Archaeobacteria



Watch Video Solution

6. What is the principle underlying the use of cyanobacteria in agricultural fields for crop improvement ?



[Watch Video Solution](#)

7. Plants are autotrophic. Can you think of some plants that are partially heterotrophic?



[Watch Video Solution](#)

8. Who proposed five Kingdom classification ?

How many Kingdoms of this classification contain eukaryotes



Watch Video Solution

9. Give the main criteria used for classification by whittaker.



Watch Video Solution

10. Name two diseases caused by Mycoplasmas.



Watch Video Solution

11. What are slime moulds ? Explain what is meant by plasmodium with reference to slime moulds.



Watch Video Solution

1. What are the characteristic features of Euglenoids?



Watch Video Solution

2. Give the salient features and importance of chrysophytes.



Watch Video Solution

3. Give a brief account of Dinoflagellates.



[Watch Video Solution](#)

4. Write the role of Fungi in our daily life.



[Watch Video Solution](#)

Long Answer Type Questions

1. Give the salient features and comparative account of different classes of fungi studied by you.

Phycomycetes :



[Watch Video Solution](#)

2. Give the salient features and comparative account of different classes of fungi studied by you.

Ascomycetes :





[Watch Video Solution](#)

3. Give the salient features and comparative account of different classes of fungi studied by you.

Basidiomycetes :



[Watch Video Solution](#)

4. Give the salient features and comparative account of different classes of fungi studied

by you.

Deuteromycetes :



Watch Video Solution

5. Describe briefly different groups of Monerans you have studied.

Archaeobacteria :



Watch Video Solution

6. Describe briefly different groups of Monerans you have studied.

Eubacteria :



[Watch Video Solution](#)

7. Describe briefly different groups of Monerans you have studied.

Mycoplasma



[Watch Video Solution](#)

8. Describe briefly different groups of Monerans you have studied.

Actinomycetes :



[Watch Video Solution](#)

9. Enumerate the salient features of different groups in Protista

Chrysophytes :



[Watch Video Solution](#)

10. Enumerate the salient features of different groups in Protista

Dinoflagellates :



Watch Video Solution

11. Enumerate the salient features of different groups in Protista

Euglenoids :



Watch Video Solution

12. Enumerate the salient features of different groups in Protista

Slime moulds :



Watch Video Solution

13. Enumerate the salient features of different groups in Protista

Protozoans :



Watch Video Solution

14. Enumerate the salient features of different groups in Protista

Sporozoans :



Watch Video Solution

Textual Exercises

1. State two economically important uses of:

(a) Heterotrophic bacteria

(b) Archaeobacteria



Watch Video Solution

2. Give a comparative account of the classes of Kingdom Fungi under the following:

(i) Mode of nutrition

(ii) Mode of reproduction



Watch Video Solution

3. Give a comparative account of the classes of Kingdom Fungi under the following:

(i) Mode of nutrition

(ii) Mode of reproduction



Watch Video Solution

4. Give a brief account of viruses with respect to their structure and nature of genetic material. Also name four common viral diseases.



Watch Video Solution

5. Organise a discussion in your class on the topic- Are viruses living or non-living?



Watch Video Solution

6. Suppose you accidentally find an old preserved permanent slide without a label and in your effort to identify it, you place the slide under microscope and observe the following features :

a) unicellular body .

b) well defined nucleus

c) biflagellate condition - one flagellum lying longitudinally and the other transversely.

What would you identify it as ? Can you name the kingdom it belongs to ?



[Watch Video Solution](#)

7. Polluted water bodies have usually high abundance of plants like Nostoc and Oscillatoria. Give reasons.



[Watch Video Solution](#)

8. Cyanobacteria and heterotrophic bacteria have been clubbed together in Eubacteria of Kingdom Monera as per the five kingdom classification, even though the two are vastly different from each other. Is this grouping of the two types of taxa in the same kingdom justified ? If so why?



[Watch Video Solution](#)

9. What observable features in Trypanosoma would make you classify it under kingdom protista.



Watch Video Solution

10. At a stage of their life cycle, ascomycetes fungi produce the fruiting bodies like cleistothecium perithecium apothecium. How are these three types of fruiting bodies differ from each other ?





[Watch Video Solution](#)

Important Questions

1. How are viroids different from viruses?



[Watch Video Solution](#)

2. Find out what do the terms 'algal bloom' and 'red-tides' signify



[Watch Video Solution](#)

3. State two economically important uses of:

(a) Heterotrophic bacteria

(b) Archaeobacteria



Watch Video Solution

4. Name two diseases caused by Mycoplasmas.



Watch Video Solution

5. What are the characteristic features of Euglenoids?



[Watch Video Solution](#)

6. Write the role of Fungi in our daily life.



[Watch Video Solution](#)

7. Enumerate the salient features of different groups in protista.



Watch Video Solution