

SENIOR SECTION
DEPARTMENT OF BIOLOGY
CLASS IX
CH-7 DIVERSITY IN LIVING ORGANISMS (PLANTS)
WORKSHEET –II

ONE MARK QUESTIONS

1. Who proposed five kingdom classification?
2. List the different categories (highest to lowest) followed in hierarchy of classification.
3. Give one basic difference between Monera and Protista.
4. Name the organism which has cell wall made of tough complex sugar called Chitin.
5. Name the group of plants which are called vascular cryptogams.

TWO MARKS QUESTIONS

6. Classification of organisms is advantageous. Justify the statement giving reasons.
7. Thallophyta, Bryophyta and Pteridophyta are called cryptogams, while Gymnosperms and Angiosperms are called phanerogams. Discuss why?
8. Differentiate between bryophytes and pteridophytes.
9. What do you mean by angiosperm? State one difference between monocots and dicots.

THREE MARKS QUESTIONS

10. Explain five kingdom classification with two peculiar features for each kingdom.
11. Distinguish kingdom protista and fungi. Give two examples for each kingdom.
12. Write the diagnostic features of Gymnosperms and Angiosperms.

FIVE MARKS QUESTIONS

13. a) Mention the main criteria of R.H. Whittaker's classification ?
b) Give the modification introduced by Carl Woese on Whittaker's classification.
c) Name the basic unit of classification. Define it.
d) What is evolution?
 14. On the basis of locomotion and nutrition explain the protozoans- Paramecium, Amoeba and Euglena. Draw suitable diagrams for the same.
 15. Which organism is more complex and evolved among : Bacteria, Mushroom and Mango tree? Give reasons. List two examples of pteridophytes and gymnosperms.
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ADDITIONAL QUESTIONS

1 Define the term Biodiversity. What is region of megadiversity?

2 Explain the term symbiosis with an example.

3 Enlist four peculiar characteristics of kingdom fungi.

4 Name the following:

- a) Two types of organisms on the basis of complexity of cell structure: _____
- b) Hair like structures which fix the bryophytes and pteridophytes in the soil: _____
- c) This kingdom includes the decomposers showing saprophytic nutrition: _____
- d) The group of the plant kingdom in which conifers are placed: _____
- e) The author of the book "Origin of Species" : _____
- f) When a plant body is not differentiated into root, stem and leaves: _____

5 Euglena is called a plant-animal. Give reasons.

6 Give three examples of the range of variations that you see in life forms around you.
