

General Instructions:-

- All questions are compulsory.
- Attempt all the questions in the same order as they are printed in this question paper.
- Use examples and diagrams wherever necessary.

1. Name the organism responsible for red tides creation \_\_\_\_\_. (1)
2. \_\_\_\_\_ have a flexible pellicle as outermost covering. (1)
3. Name the phylum of the organisms who are responsible for the formation of diatomaceous earth \_\_\_\_\_. (1)
4. Name the scientists associated with the introduction of the following:- (1/2x2=1)
  - i) Two kingdom classification
  - ii) Five kingdom classification.
5. Mention two modes of preserving organism in a museum. (1)
6. Name the order of:- (1/2x2=1)
  - a) Human beings \_\_\_\_\_.
  - b) Tiger \_\_\_\_\_.
7. Draw well labelled diagrams of different bacterial forms. (2)
8. How do insectivorous plants differ from the parasitic plants. Explain briefly with suitable examples. (2)
9.
  - a) Why is reproduction not always a defining characteristic of living beings?
  - b) Why is virus considered non living without a host ? (1x2=2)
10. Elaborate the symbiotic association of fungus giving two suitable examples. (2)
11. Write a detailed account on nomenclature. (3)
12. Explain the various modes of reproduction in Kingdom Fungi. (3)