

## BIOLOGY STANDARD XI

### **Worksheet 3.1      PLANT KINGDOM**

Chose the correct answer :

1. Who is regarded as the "Father of Indian Phycology"  
A. Prof. M.O.P. Iyenger                      C. Prof. R.R. Mishra  
B. Prof. R.N. Singh                          D. Prof. J.N. Mishra
2. Phycology is the study of  
A. Algae                      B. Fungi                      C. Bacteria                      D. All the above
3. "Artificial classification" by Linnaeus was not accurate because:  
A. It gave equal weightage to vegetative as well as the sexual mode of reproduction.  
B. It was primarily based upon superficial morphological character like color, shape, and number of leaves.  
C. It did not consider internal structure like anatomy, embryology, phytochemistry.  
D. All.
4. Why vegetative mode of reproduction does not weigh equally to the sexual mode of reproduction.  
A. Vegetative propagation is common in the plant kingdom.  
B. Vegetative reproduction is not so complicated, like sexual reproduction.  
C. Environmental factors easily alter vegetative characters.  
D. None.
5. The cytological classification relies on cytological information like:  
A. Chromosome number.                      C. Chromosome structure.  
B. Chromosome behaviour.                      D. All.
6. Algae reproduce :  
A. By fragmentation.  
B. Asexually by zoospore formation.  
C. Sexually.  
D. None.
7. Which among these is an alga?  
A. Volvox.                      B. Ulothrix.                      C. Spirogyra.                      D. All.
8. Hydrocolloid forming alga is:  
A. Algin (Brown alga).                      B. Carrageen (red alga).                      C. Sargassum.                      D. Both a and b.
9. Chemical laboratories obtain agar from which alga:  
A. Algin (Brown alga).                      B. Carrageen (red alga).  
C. Sargassum.                      D. Gelidium.
10. We classify alga based on :  
A. Colour.                      B. Type of spore formation.                      C. Morphology.                      D. All the above.

1. Name the algae which is used for fodder to poultry birds.
2. Which groups of plants is called vascular cryptogam?
3. Name a unicellular alga.
4. Name the algae which is used for fodder to poultry birds.
5. Differentiate between Red, Brown & Green algae.
6. List common modes of reproduction in Algae?
7. Explain the life cycle in green algae?

References:

- 1 NCERT Text Book of Biology, Class XI
- 2 Biology Exemplar class XI

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