



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF BIOLOGY



Subject : Biology

Topic : Plant Kingdom

Date of worksheet : 10 -1 -2018

Resource Person: Zehra Fatima

Date of Submission : \_\_\_\_\_

Name of the Student : \_\_\_\_\_

Class & Division : XI B

Roll Number : \_\_\_\_

S.No.	Questions	Marks
1 .	What are the differences between artificial, natural and phylogenetic system of classification?	1
2.	What is a pyrenoid body ?	1
3.	Define gemma. Where do you find them?	1
4.	Which group of plants is regarded as first terrestrial plants ? Why ?	1
5.	Which organism is regarded as one of the tallest tree species ?	1
6.	The gametes and spores of phaeophyceae have a distinct morphology. Give its name.	1
7.	Which substance has structural similarity to floridean starch ?	1
8.	Name the organisms which exhibit heterospory can exhibit seed habit.	1
9.	Name two algae from which agar is obtained. Give commercial use of agar.	1
10.	Sphagnum has a lot of economic importance. Justify.	1
11.	Gymnosperms can show polyembryony. Why do you think so ?	2
12.	How is leafy stage formed in mosses ? How is it different from protonema ?	2
13.	Mention the economic importance of Algae.	2
14.	Why are Bryophytes called amphibians of plant kingdom?	2
15.	The leaves in gymnosperms are adapted to withstand xerophytic conditions. Justify.	3
16.	The gametophytes of bryophytes and pteridophytes are different from that of gymnosperms. How ?	3

17. Roots in some gymnosperms have fungal or algal association. Give examples, their names and role in the plants. 3
18. Explain the Life cycle of Bryophytes(Mosses). 5
19. Pteridophytes and Gymnosperms have haplo-diplontic life cycle. Explain. 5
20. Draw the life cycle of an angiosperm along with a brief note on double fertilisation. 5