

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 9

Topic :- Plant Kingdom

- Members of class-Rhodophyceae are known as red algae due to the presence of red pigment
a) *r*-phycoerythrin b) *r*-xanthophyll c) Phycoerythrin d) Fucoxanthin
- A protein rich green alga is
a) *Chlorella* b) *Spirulina* c) *Spirogyra* d) *Ulothrix*
- Water bloom is generally caused by
a) Green algae b) Blue-green algae c) Bacteria d) *Hydrilla*
- Phylogenetic system of classification is based upon
a) Evolutionary relationship of organism b) Cytological information
c) Structural embryology d) All of the above
- Both heterospory and circinate ptyxis occur in
a) *Dryopteris* b) *Pinus* c) *Cycas* d) *Funaria*
- In *Pinus*, the endosperm is
a) Haploid b) Diploid c) Triploid d) Tetraploid
- How many pyrenoids are present in the members of class-Chlorophyceae?
a) One b) Two c) One to many d) Pyrenoids are absent
- Choose the incorrect statement
a) Double fertilisation is unique to gymnosperms and monocotyledons
b) *Sequoia*, a gymnosperm, is one of the tallest trees
c) Phaeophyceae members possess chlorophyll-*a*, *c*, carotenoids and xanthophylls
d) Moss is a gametophyte, which consists of two stages namely, protonema stage and leafy stage
- A protein rich blue-green alga is
a) *Chlorella* b) *Spirulina* c) *Spirogyra* d) *Ulothrix*
- Spores with chloroplast is present in
a) *Selaginella* b) *Equisetum* c) *Puccinia* d) *Rhizopus*

11. The leaves in pteridophytes are small as in
 a) *Volvox* b) *Marsilia* c) *Selaginella* d) *Azolla*
12. In bryophytes antheridium produces ...A... and female sex organ archegonium produces ...B... . Here A and B refer to
 a) A-uniflagellate antherozoids; B-two egg b) A-biflagellate antherozoids; B-one egg
 c) A-non-motile antherozoids; B-one egg d) A-non-motile antherozoids; B-two egg
13. In case of heteroporous pteridophyte the gametophyte is
 a) Always dioecious b) Monoecious
 c) May be monoecious or dioecious d) Vascular
14. Oogamous type of fusion is found in
 a) *Volvox* and *Fucus* b) *Chlamydomonas* c) *Spirogyra* d) All of these
15. Fern gametophyte bears
 a) Archegonia b) Antheridia c) Sporangia d) Both (a) and (b)
16. Gametophyte is dominant stage in the life cycle of
 a) Bryophyta b) Pteridophyta c) Angiosperms d) Gymnosperms
17. The plant body of bryophytes is
 a) More differentiated than that of algae
 b) Equally differentiated to that of algae
 c) Less differentiated than that of algae
 d) Is not differentiated at all
18. In gymnosperms the development of grains take place within the
 a) Megasporangia
 b) Microsporangia
 c) Male gametophyte
 d) Female gametophyte
19. In angiospermic fertilisation, one male gamete fuses with egg to form ...A... , this event is called ...B... . Identify A and B and choose the correct option
 a) A-endosperm; B-syngamy
 b) A-zygote; B-syngamy
 c) A-embryo; B-triple fusion
 d) A-endosperm; B-triple fusion
20. Classification on the basis of all observed characters is known as
 a) Number and codes taxonomy b) Numerical taxonomy
 c) Countable taxonomy d) Numerical information taxonomy

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