

Plant Kingdom

AIPMT

1. Ectophloic siphonostele is found in **2005**
*a) Osmunda and Equisetum b) Marselia and Botrychium
c) Adiantum and Cucurbitaceae d) Dicksonia and Maiden Hair fern
2. In a moss plant the sporophyte **2006**
a) manufactures food for itself, as well as for the gametophyte
*b) is partially parasitic on gametophyte
c) produces gametes that give rise gametophytes
d) arises from a spore produced from the gametophyte
3. Peat moss is used as a packing material for sending flowers and live plants to distant places because **2006**
a) it serves as disinfectant b) it is easily available
*c) it is hygroscopic d) it reduces transpiration
4. Conifers differ from grasses in the **2006**
*a) formation of endosperm before fertilisation b) production of seeds from ovules
c) lack of xylem tracheids d) absence of pollen tubes
5. In the prothallus of a vascular cryptogam, the antherozoids and eggs mature at different times. As a result **2007**
a) there is high degree of sterility
b) one can conclude that the plant is apomictic
*c) self fertilization is prevented
d) there is no change in the success rate of fertilisation
6. If you are asked to classify the various algae into distinct groups, which of the following characters you should choose? **2007**
a) type of stored food material b) Thallus organisation
c) Cell wall composition *d) Pigmentation
7. Flagellated male gametes are present in all the three of which of the following sets **2007**
a) *Zygnema*, *Saprolenia*, *Hydrilla* b) *Fucus*, *Marselia*, *Calotropis*
*c) *Riccia*, *Dryopteris*, *Cycas* d) *Anthoceros*, *Funaria*, *Spirogyra*

- c) short, straight, biflagellate d) long, curved, biflagellate

19. Which one of the following is not sporophytic generation of gymnosperms?

2007

- a) Leaves b) Stem *c) endosperm d) Seed

20. Both Chlorophyll a and d are present in

2009

- *a) Rhodophyceae b) Phaeophyceae c) Chlorophyceae d) None

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21. Tea and coffee are affected by

2005

- a) *Phytophthora* *b) *Cephaleuros* c) *Herviella* d) *Albugocandida*

22. Though Cycas has 2 cotyledons, it is not included in dicots because of

2005

- *a) naked ovules b) they have megaspore
c) appears as palm tree d) has compound leaves

23. Which of the following is used as green manure

2005

- a) *Azolla* b) *Azadirachtaindica* *c) *Crotalaria juncea* d) *Heveabrasiliensis*

24. Pencils are made from the wood of

2005

- a) *Pinusvinaster* *b) *Juniperusvirginiana*
c) *Chamaecyperispiscifera* d) *Abiespindrow*

25. The protein rich alga is

2006

- a) *Ulothrix* b) *Spirogyra* c) *Nostoc* *d) *Chlorella*

26. Which of the following is called Living fossil?

2006

- a) *Pinus* b) *Gnetum* *c) *Ginkgo* d) *Riccia*

27. The alga used for quick sewage disposal is

2006

- a) *Ulothrix* b) *Cladophora* c) *Volvox* *d) *Chlorella*

28. Top shaped multinucleate male gametes and mature seed which bears only one embryo with two cotyledons are the characteristic features of

2007

- a) Polypetalous angiosperms b) Gamopetalous angiosperms
c) Conifers *d) Cycads

29. In *Funaria* calyptra is derived from

2008

- a) Capsule b) Columella c) Antheridium *d) Archegonium

30. In *Dryopteris*, the opening mechanism of sporangium is effectively operated by

2008

- a) Stalk *b) Annulus c) Stomium d) Peistome

31. This is living fossil

2009

- *a) Cycas b) Cupressus c) Taxus d) Ephedra

32. The antherozoids of Funaria are 2009

- a) aciliated *b) biciliated c) multiciliated d) monociliated

33. Match the following 2007

List – I	List – II
A) Living fossil	I) <i>Ginkgo</i>
B) Rhizophore	II) <i>Macrocystis</i>
C) Smallest flowering plant	III) <i>Escherichia coli</i>
D) Largest perennial alga	IV) <i>Selaginella</i>
	V) <i>Wolffia</i>

- A B C D
- *a) I IV V II
- b) I V IV II
- c) II I V III
- d) IV V I II

34. Heterospory, seed habit is often possessed by a plant having 2009

- a) Bract b) Spathe c) Petiole *d) Ligule

35. This is used as biofertilizer 2009

- *a) *Azolla* b) *Salvinia* c) *Marselia* d) *Pteridium*

36. Columella is seen in the sporangium of 2009

- a) *Ulothrix* b) *Anthoceros* c) *Spirogyra* d) *Cycas*

37. One of the following is obtained from alga 2009

- *a) Carragenin b) Chocolate c) Butter d) Wax