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**TARGET : NEET (UG) 2024**

Course : SARANSH (Youtube Live CRASH COURSE)

**BIOLOGY**

**DPP**

DAILY PRACTICE PROBLEMS

**DPP NO. 1**

**BOTANY : PLANT KINGDOM**

**DPP No. : 1**

- How many statements are correct about bryophytes
  - Biflagellate antherozoids present bryophytes
  - Zygote of bryophytes do under reduction division immediately'
  - Multicellular sporophytes
  - The sporophytes is not free living
  - Sporophytes attached to the photosynthetic gametophytes
  - i, ii and iii
  - iii, i, and v
  - i, iii, iv, v
  - All of these
- Seed habit was initiated in
  - Algae
  - Bryophytes
  - Pteridophytes
  - Gymnosperms
- How many of the following terms are related with Pheophyceae
  - Mannitol
  - Chlorophyll c
  - Two flagellate cells in life cycle
  - Algin
  - Pyrenoid
  - 2
  - 3
  - 4
  - 5
- Which of the following is responsible for peat formation?
  - Marchantia*
  - Riccia*
  - Funaria*
  - Sphagnum*
- Male gametes are flagellated in:
  - Anabaena*
  - Ectocarpus*
  - Spirogyra*
  - Polysiphonia*



6. Which one of the following statements is wrong?
- (1) Laminaria and Sargassum are used as food.
  - (2) Algae increase the level of dissolved oxygen in the immediate environment.
  - (3) Algin is obtained from red algae, and carrageenan from brown algae.
  - (4) Agar-agar is obtained from Gelidium. and Gracilaria.
7. Which of the following algae contains mannitol as reserve food material?
- (1) Gracillaria
  - (2) volvox
  - (3) Ulothrix
  - (4) Ectocarpus
8. Identify the pair of heterosporous pteridophytes among the following :
- (1) Selaginella and Salvinia
  - (2) Psilotum and Salvinia
  - (3) Equisetum and Salvinia
  - (4) Lycopodium and Selaginella
9. Match List-I with List-II.
- | List-I          | List-II          |
|-----------------|------------------|
| (A) Pteropsida  | (I) Psilotum     |
| (B) Lycopsida   | (II) Equisetum   |
| (C) Psilopsida  | (III) Adiantum   |
| (D) Sphenopsida | (IV) Selaginella |
- Choose the correct answer from the options given below:
- (1) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
  - (2) (A)-(I), (B)-(I), (C)-(IV), (D)-(II)
  - (3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
  - (4) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
10. Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R:
- Assertion** : The first stage of gametophyte in the life cycle of moss is protonema stage.
- Reason** : Protonema develops directly from spores produced in capsule. In the light of the above statements, choose the most appropriate answer from the options given below :
- (1) Both A and R are correct but R is NOT the correct explanation of A.
  - (2) A is correct but R is not correct.
  - (3) A is not correct but R is correct.
  - (4) Both A and R are correct and R is the correct explanation of A.

### Answer key

1. (3)    2. (3)    3. (3)    4. (4)    5. (2)    6. (3)    7. (4)  
 8. (1)    9. (4)    10. (4)