



Class Test - 02

Yakeen NEET 2.0 - 2026

Duration : 30 Min.

Topic : Plant Kingdom

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1. Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R:
Assertion A: The first stage of gametophyte in the life cycle of moss is protonema stage.
Reason R: Protonema develops directly from spores produced in capsule. (2023)
In the light of the above statements, choose the most appropriate answer from the options given below:
(1) A is not correct but R is correct.
(2) Both A and R are correct and R is the correct explanation of A.
(3) Both A and R are correct but R is NOT the correct explanation of A.
(4) A is correct but R is not correct.
2. Gemmae are present in: (2021)
(1) Pteridophytes
(2) Some Gymnosperms
(3) Some Liverworts
(4) Mosses
3. Which one is wrongly matched? (2018)
(1) Uniflagellate gametes - *Polysiphonia*
(2) Biflagellate zoospores - Brown algae
(3) Gemma cups - *Marchantia*
(4) Unicellular organism – *Chlorella*
4. The male sex organ that produces antherozoids is known as
(1) Gametophyte (2) Antheridium
(3) Sporophyte (4) Archegonium
5. Bryophyte which provides peat is
(1) *Sphagnum* (2) *Marchantia*
(3) *Funaria* (4) *Polytrichum*
6. The first organisms to colonise rocks are
(1) Mosses and fungi
(2) *Funaria* and mosses
(3) Lichens and mosses
(4) *Marchantia* and *Sphagnum*
7. Which of the following statement is incorrect regarding bryophytes?
(1) The female sex organ is flask shaped
(2) The antherozoids are released into water
(3) The antherozoids are biflagellated
(4) Zygote formed undergoes meiosis immediately
8. Bryophytes are also called _____ of plant kingdom.
(1) Fishes (2) Amphibians
(3) Reptiles (4) Aves
9. Bryophytes are
(1) Always homosporous
(2) Always heterosporous
(3) Sometimes heterosporous
(4) Seldom homosporous
10. The male gametes of bryophytes are
(1) Multiflagellated
(2) Uniflagellated
(3) Non-motile
(4) Biflagellated
11. Plant body of liverworts is
(1) Thalloid in *Porella*
(2) Thalloid in *Marchantia*
(3) Leafy in *Marchantia*
(4) More than one option is correct
12. Gemmae are
(1) Unicelled structures
(2) Multicelled asexual buds
(3) Diploid sporophytic structures
(4) Haploid sexual structures
13. Ecologically the most important moss is
(1) *Sphagnum*
(2) *Funaria*
(3) *Polytrichum*
(4) *Pogonatum*



- 14.** Select incorrect statement w.r.t. characters of true moss
- (1) Multicelled branched rhizoids
 - (2) Presence of scales
 - (3) Presence of protonema
 - (4) Erect leafy axis as mature gametophyte
- 15.** All given members are monoecious, except
- (1) *Marchantia*
 - (2) *Funaria*
 - (3) *Anthoceros*
 - (4) *Sphagnum*
- 16.** Find odd one w.r.t. ploidy level in bryophytes
- (1) NCC
 - (2) VCC
 - (3) Spore
 - (4) Foot
- 17.** Sporophyte of mosses is _____ than liverworts.
- (1) Least differentiated
 - (2) Equally differentiated
 - (3) More differentiated
 - (4) Undifferentiated
- 18.** Peat is obtained from
- (1) *Sphagnum*
 - (2) *Funaria*
 - (3) *Riccia*
 - (4) *Marchantia*
- 19.** Liverworts reproduce asexually by
- (1) Gemmae
 - (2) Fragmentation
 - (3) Mitospores
 - (4) Both (1) & (2)
- 20.** _____ is used by gardeners to keep cut plants moist during transportation and propagation.
- (1) *Marchantia*
 - (2) *Sphagnum*
 - (3) *Equisetum*
 - (4) *Funaria*
- 21.** In mosses the sex organs are present in the
- (1) Protonema stage
 - (2) Sporophytic stage
 - (3) Leafy stage
 - (4) Both (1) & (2)
- 22.** Antherozoids represent
- (1) Male gametophyte
 - (2) Photosynthetic sporophyte
 - (3) Female gametophyte
 - (4) Motile male gametes



ANSWER KEY

1. (2)
2. (3)
3. (1)
4. (2)
5. (1)
6. (3)
7. (4)
8. (2)
9. (1)
10. (4)
11. (2)

12. (2)
13. (1)
14. (2)
15. (1)
16. (4)
17. (3)
18. (1)
19. (4)
20. (2)
21. (3)
22. (4)



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