

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

First/Third Semester

Botany

Allied – PLANT DIVERSITY AND MEDICINAL
BOTANY

(For those who joined in July 2021-2022)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. The study of algae s called
(a) Phycology (b) Mycology
(c) Bryology (d) Cytology
2. _____ is known as bracket fungus.
(a) Aspergillus (b) Peziza
(c) Albugo (d) Polyporus

3. Lichen is a
(a) Parasite (b) Saprophyte
(c) Symbiont (d) Epiphyte
4. _____ helps in the dispersal of spores in Funaria.
(a) Annulus (b) Columella
(c) Operculum (d) Peristome teeth
5. Which of the following is the club moss?
(a) Polyporus (b) Lycopodium
(c) Pinus (d) Funaria
6. Which is absent in pinus stem
(a) Tracheids (b) Vessels
(c) Medullary rays (d) Parenchyma
7. Follicle type of fruit is the character of this family.
(a) Euphorbiaceae (b) Poaceae
(c) Rutaceae (d) Asclepiadaceae

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8. Which of the following does not belongs to Poaceae
(a) Sorghum vulgare (b) Triticum vulgare
(c) Oryza sativa (d) Solanum nigrum
9. Keela nelli belongs to _____ family.
(a) Euphorbiaceae (b) Amaranthaceae
(c) Rutaceae (d) Malvaceae
10. Useful part of pepper is
(a) Seed (b) Fruit
(c) Stem (d) Leaf

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write notes on asexual reproduction takes place in Volvox.
Or
(b) Describe the fruit body of Polyporus.

12. (a) Describe the v.s of Usnea apothecium with suitable diagram.
Or
(b) List out the general characters of Bryophytes.
13. (a) Describe the external structure of Lycopodium.
Or
(b) Discuss about the structure of Pinus ovule.
14. (a) List out the merits and demerits of Bentham and Hooker's classification.
Or
(b) Explain Cyathium inflorescence with diagram.
15. (a) Write the morphology of the useful part and medicinal uses of Aloe Vera.
Or
(b) Write the useful part and medicinal uses of Piper nigrum.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Enumerate about the economic importance of Algae.

Or

- (b) Describe the life cycle of Polyporus.

17. (a) Explain in detail about the internal structure of Lichen thallus.

Or

- (b) Describe the structure of sporophyte of Funaria.

18. (a) Describe the internal structure of Pinus needle.

Or

- (b) Discuss various reproductive methods of Lycopodium.

19. (a) Explain the characters of Rutaceae.

Or

- (b) List out the characters of Poaceae.

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20. (a) Write the botanical name, family, useful part and medicinal uses of Keelanelli.

Or

- (b) Discuss the useful part and medicinal uses of Catharanthus.

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