



**B.Sc. II Semester Degree Examination, Sept./Oct. - 2024**

**BOTANY**

**DSC4 : Diversity of Non-Flowering Plants**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

Answer the following questions.

**10x1=10**

1. (a) What are rhizoids ?
- (b) What is transfusion tissue ?
- (c) Who is the father of Paleobotany ?
- (d) What is alternation of generation ?
- (e) What is megasporophyll ?
- (f) Write any two character of Azolla.
- (g) What is Eustele ?
- (h) What is capsule ?
- (i) What is impression ?
- (j) What is algal bloom ?

**SECTION - B**

Answer **any four** of the following questions.

**4x5=20**

2. Explain the Morphology of Sargassum.
3. Brief note on economic importance of Bryophytes.
4. Write a note on fossil types.
5. Explain T.S. leaflet of cycas.
6. Explain T.S. stem of equisetum.
7. Describe the male and female cone gnetum.



**P.T.O.**

**SECTION - C**

Answer **any three** of the following questions.

**3x10=30**

8. Write a note on :  
(a) algal pigments                      (b) importance of diatoms
9. Explain the general characters and classification of Gymnosperms.
10. Explain the L.S. of Anthoceros Sporophyte with neat labelled diagram.
11. Write a note on :  
(a) Lepidodendron                      (b) Algal cultivation
12. A brief account on heterospory and seed habit.

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