Progressive Education Society's

Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16, NEP 2020 (Autonomous)

End Semester Examination: Nov/Dec 2023

***Total No. of Questions**: 4/18* ***Total No. of pages**: 2*

F.Y.B.Sc.
Understanding Phytodiversity –NEP23 BOT11201
(Semester I)

Program: B.Sc. **Credits:** 2
Program Specific: General B.Sc. **Time:** 2 Hours
Course Type: BOTANY (Minor) **Max. Marks:** 30
Paper: NEP23-BO-124 Understanding Phytodiversity **SET : A**

Instructions to the candidate:

1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*
3) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q1) Answer the following **[5 X 1= 5]**

1. Define Cryptogams
2. Mycelium
3. Name two edible mushrooms.
4. Phycobiont
5. Fruiticose lichens

SECTION: B

Q2) Answer the following (Attempt any 5/7) **[5 X 2 =10]**

1. Mention names of any two green alga.
2. How Conidia develop in *Penicillium ?*
3. Habitat of Lichens
4. Two characters of Gymnosperms.
5. Thallus of *Riccia*
6. Lateral conjugation in *Spirogyra.*
7. Characters of Fungi. (any two)

P.T.O.

SECTION: C

Q3) Write short notes on following (Attempt any 2/4) [2 X 5 = 10]

1. Vascular bundles in *Nephrolepis*
2. Primitive prokaryotic algae
3. Classification of Bryophyta
4. Uses of algae.

SECTION: D

Q4) Answer the following (Attempt any 1/2) [5 X 1 = 5]

1. Draw and describe asexual stage *of Penicillium*
2. Diagrammatic representation of *Nephrolepis* life cycle (drawings of each stage)

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