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21BOT1C1L

M.Sc. I Semester Degree Examination, April/May - 2023

BOTANY

Plant Diversity and Human Welfare

(CBCS)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions **Question No-1 (Q1) is compulsory**, each question carries **equal** marks.

1. Give a detailed account on awareness of plant diversity in view of conservation. **14**
2. Give an account on economic importance of : **14**
 - (a) Virus
 - (b) Bacteria and
 - (c) Mycoplasma
3. Explain the thallus-organization and reproduction in Algae. **14**
4. Explain the vegetative structure and reproductive features with reference to Lycopodiales. **14**
5. Give elaborate information on anatomy and reproduction in Gnetum and Ephedra. **14**
6. Give a note on the following :
 - (a) Sandle spike **5**
 - (b) Black arm of cotton **5**
 - (c) Xanthoformelia **4**
7. Write structure, reproduction and lifecycle of :
 - (a) Marchantiales **5**
 - (b) Jungerminales **5**
 - (c) Anthocerotales **4**



P.T.O.

8. Give an account on :

(a) Viroids and prions

5

(b) Rhizopus and xylaria

5

(c) Gingko biloba

4

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