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(Sem2/CBCS)BOT HG/RC

2023

BOTANY

(Honors Generic/ Regular)

Paper Code: BOT-HG/RC-2016

(Plant Ecology and Taxonomy)

Full Marks: 30

Time: 1 ½ hours

1. Answer the following questions: 1x4=4
- (a) Plants which are adapted to grow at hot and dry areas are called as
- (b) Who is considered as the father of Taxonomy.
- (c) Name the organization which provides rules for naming plants.
- (d) Who is considered as the father of Ecology.
2. Give brief answers of the following : (*any three*) 2X3=6

- (a) Shelford law of tolerance.
- (b) Food web.
- (c) Write two adaptive features of hydrophytes.
- (d) Taxonomic group.

3. Answer the following questions: (*any two*) 5 X 2=10

- (a) Write a note on functions of herbarium. Name any two famous herbarium museum of our country.
- (b) Principle and rule of ICN.
- (c) Process of Ecological succession and types.

4. Answer the following questions: (*any one*) 10X1=10

- (a) Explain briefly about the taxonomic evidences from palynology, cytology and phytochemistry.
- (b) Describe briefly about the ecological pyramids production and productivity.