

Total Pages-02

RNLKWC/B.Sc./CBCS/IVS/C10T/22

2022

BOTANY

[Honours]

(B.Sc. Fourth Semester End Examination-2022)

PAPER-C10T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

PLANT SYSTEMATICS

1. Answer any FIVE question: 5 x 2=10
- a) Define molecular systematics.
 - b) What is virtual herbarium and E- Flora?
 - c) What do you mean by effective publication?
 - d) What Herbarium sheet. Mention it's standard size.
 - e) States three limitations of Principles of priority.
 - f) Name one herbarium from India and one abroad.
 - g) What is double Author's Citation. Cite one example.
 - h) What is the difference between Garden and botanical garden?
2. Answer any FOUR of the following: 4x5=20
- a) Write short notes on- Rejection of names.
 - b) Give some merits and demerits of G.Bentham and J.D. Hooke.

(2)

- c) Define Basionym and Tautonym. Write the six principles of ICN. 1+1+3
- d) Distinguish between- a) Monophyly and polyphyly.
b) Cladogram and Phenogram. 2.5+2.5
- e) States the difference between: a) syntype and neotype
b) paratype and lectotype. 2.5+2.5
- f) Define Nomina Conservanda. What is key and their types.
Name one
- g) Long term preservative for herbarium preservation. 2+2+1

4. Answer any ONE question: 1 x 10=10

- a) Mention the publication name of Casper Bauhin and A .P de Candolle with year. What is OTU ? Give the significance of the Herbaria. State the role of botanical garden in Ex- situ conservation. 2+1+3+4.
- b) Give the outline classification proposed by A.Cronquist(1988). Mention advantages and disadvantages of this classification. 5+5