

Total Pages-02

RNLKWC/B.Sc.-CBCS/IIIS/BOT/H/GE3T/21

**2021**

**BOTANY**

**[HONOURS]**

**(CBCS)**

**(B.Sc. Third End Semester Examination-2021)**

**PAPER-GE3T**

***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*

**Group – A**

**1. Answer any five of the following:**

**5x2=10**

- a) Write down the full form of-
  - i) RAPD
  - ii) RFLP
- b) What is meant by explants ?
- c) Write down the botanical name and use of any one fiber yielding plant.
- d) Name the macromolecule and the filter paper used in Western blotting.
- e) What are molecular markers?
- f) Mention the uses of cereals.

- g) Write down the scientific name and family of tea.?
- h) Write the full name of ELISA. Mention any one of its uses.

**Group – B**

- 2. Answer any four of the following: 4x5=20**
3. Draw and describe the inflorescence of wheat.
4. Write down the various advantage of micro propagation technique.
5. Discuss in details the different steps of PCR.
6. Mention the botanical name and family of any five cultivated plants.
7. Describe the processing of tea leaves for commercial purpose.
8. Write the scientific name, family, edible part, morphology and use of gram.

**Group – C**

- 3. Answer any one of the followings: 1x10=10**
- a) Name one co-dominant and one dominant marker. Discuss in details the various steps in Restriction Fragment Length Polymorphism.
- b) State the uses of cotton. Write the different parts of plants used as fibre. What is meant by molecular DNA makers

3+3+4

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