

Total Pages-02

RNLKWC/B.Sc.-CBCS/IIIS/BOT/H/SEC1T/22

2022

BOTANY

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examinations-2022)

PAPER-SEC1T

[Bio fertilizer]

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) What is organic farming?
- b) Name two nitrogen fixing microbes.
- c) What do you mean by ecto-endotrophic mycorrhizae?
- d) Define biodegradable wastes. Give examples.
- e) Name 4 municipal waste can be used as manure?
- f) Define actinorrhizal association.
- g) What are bio-composts? Give examples.
- h) Name the Cyanobacteria associated with coralloid roots.

(2)

Group – B

2. Answer any four of the following: **4x5=20**
3. What are the significance of BGA in agriculture?
 4. Compare bio fertilizers and chemical fertilizers.
 5. Discuss different types of bio fertilizers.
 6. Characterize and classify Azotobacter
 7. Name the fungi associated with VAM. Write the significance of VAM. **2+3**
 8. Differentiate green manuring and vermicomposting. **5**

Group – C

3. Answer any one of the followings: **1x10=10**
- a) Write the isolation procedure of Azospirillum. What is the procedure of mass multiplication of Rhizobium? **5+5**
 - b) What are pelleting agents. Give two examples. Describe briefly the taxonomic distribution of Arbuscular Mycorrhiza. **1+2+7**