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

2021

BOTANY

[HONOURS]

(CBCS)

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

PAPER-SEC1T

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 the full form of VAM. State its one application.
- b) Define actinorrhizal symbiosis.
- c) Name two free- living microbes acts as N₂- Fixer.
- d) Name two fungi associated with Mycorrhizae.
- e) What is Hartig net?
- f) What do you mean by vermicompost. Give one use.
- g) What is heterocyst ? Write the function of heterocyst ?
- h) What do you mean by biodegradable wastes. Give examples

Group – B

2. Answer any four of the following: 4x5=20

- a) Write about the mass multiplication of Rhizobium.
- b) What are the significance of microbes in agriculture?
- c) Write a note on Azolla and Anabaena azollae association.
- d) What do you mean by VAM inoculation? How it influence on the growth of crop plants.
- e) Write one method of making biocompost.
- f) What are biofertilizers ? Mention its types.

Group – C

3. Answer any one of the followings: 1x10=10

- a) What is green manuring ? What are desirable characteristics of green manuring ? Describe the types of green manuring. 2+5+3
- b) Briefly describe the different types of mycorrhizal association. States its role in agriculture. 6+4
