

Raja N.L.Khan's Women College (Autonomous)

End Semester Examination 2022

UG 1st Semester (CBCS)

Paper- GE1T

Full Marks=40.

Time-2hrs

Answer the questions in your own sentences, as far as practicable, marks are indicated in the right hand margin.

Section A.

5*2=10

Q1. Answer any five questions

- a. What is plasmid? Give diagram.
- b. Define mesosome? Give diagram.
- c. Name two antibiotic producing algae.
- d. Give two characteristic features of Archaeogoniatites
- e. Name one RNA and one DNA viruses.
- f. Mention two homosporous pteridophytes.
- g. Name two Indian species of Pinus.
- h. What is VAM. Mention its uses.

Section B.

4*5= 20

Q2. Answer any four questions

- a .What is transduction? In brief describe the process of generalised transduction. 1+4
- b. Draw and describe the structure of TMV. What is T- even phage? Give example. 4
- c. Draw the megasporophyll structure of Cycas. Name two Indian species of Cycas.
- d. Give life cycle of Chlamydomonas. 4
- e. Describe the sporophytic structure of Rhynia with suitable diagram. 4
- f. Describe the gametophyte of Marchantia with suitable diagram. 4

Section C.

1*10

Q3. Answer any one question.

- a. Name one unicellular fungus. Name one antibiotic producing fungus. Draw and describe the life cycle of Rhizopus. 1+1+4+4.
- b. What is heterospory? Give example of a heterosporous Pteridophytes from your syllabus. Classify Bryophytes with Class characters and examples. What is elaters? 2+1+6+1