

Roll No. _____

[Total No. of Pages : 2

SIIS 64 A-2K13

B.Sc. IInd Semester Degree Examination

Botany

(Diversity of Microbes and Non-Vascular Plants-II)

Paper - II

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates.

- 1) *Answer all the questions.*
- 2) *Diagrams will enhance the value of answers.*

Section - A

I. Answer the following questions.

(15x1=15)

- 1) Name the types of Rhizoids in Riccia.
- 2) Where do you find Aeciospore?
- 3) What is apophysis?
- 4) Name the chemical composition of fungal cell wall.
- 5) Which group of plants commonly called Amphibians of plant kingdom.
- 6) Name the acid produced by lichens.
- 7) What are perigonal leaves?
- 8) Name the pathogen causing wilt of pigeon pea.
- 9) What are biopesticides?
- 10) Name the primary host plant of puccinia.
- 11) Where do you find apical notch?
- 12) Name the pathogen of Tikka disease in ground nut.

- 13) What is involucre?
- 14) What is Rhizobium?
- 15) What are conidia?

Section - B

II. Answer any **five** of the following.

(5×5 = 25)

- 16) Describe the antheridial head of funaria.
- 17) Explain the internal structure of lichen apothecium.
- 18) Explain the application of mycorrhiza.
- 19) Explain teleospore stage in puccinia.
- 20) Explain structure and reproduction in cercospora.
- 21) Explain nutritional value of mushroom.
- 22) Explain Asexual reproduction in mucor.

Section - C

III Answer any **four** of the following.

(4×10 = 40)

- 23) Describe structure and sexual reproduction in Anthoceros.
- 24) Describe life cycle of puccinia on Barbery plants.
- 25) Describe paddy straw polythene mushroom culture method.
- 26) Describe the L.S. of funaria capsule with neat labelled diagram.
- 27) What are Biofertilizers? Describe Nostoc and Anabaena as biofertilizers.
- 28) Describe structure and reproduction in Aspergillus.