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NEPRT—05—2024

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (NEP) (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2024

BOTANY

SBOTC-401

(Diversity of Microbes)

(Friday, 19-4-2024)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— (i) Question No. 1 is compulsory.

(ii) Of the remaining attempt any *three* questions.

(iii) Draw neat and labelled diagram wherever required.

1. Write brief notes on the following : 20
 - (a) Ultrastructure of flagella
 - (b) Leaf curl of Papaya
 - (c) General characters of Gymnomycota
 - (d) Ectomycorrhiza.
2.
 - (a) Explain Grassy shoot disease. 10
 - (b) Role of fungi in medicine and industry. 10

P.T.O.

3. (a) Describe bacterial transduction. 10
- (b) Explain structure of apothecium fruiting body. 10
4. (a) Describe chemical composition and classification of virus. 10
- (b) Explain different types of Lichens. 10
5. (a) Describe yellow rust of wheat. 10
- (b) Explain causal organism and symptoms of black arm of cotton. 10
6. Write brief notes on the following : 20
- (a) Medicinal value of mushroom
- (b) Structure of alternaria spore
- (c) Economic importance of mycoplasma
- (d) Difference between gram negative and gram positive bacteria.