

19002844



Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, OCTOBER 2019

First Semester

Faculty of Science

Branch VI—Botany

MYCOLOGY AND CROP PATHOLOGY

(2012 to 2018 Admissions)

Time : Three Hours

Maximum Weight : 30

I. Answer any *six* of the following in not less than 50 words each. Weight 1 each :

- 1 What are aflatoxins ?
- 2 What are mycoherbicides ?
- 3 What is ectomycorrhiza ? Where it is seen ?
- 4 Name *two* fungal parasites of plants ?
- 5 Name *two* edible mushrooms.
- 6 What are fungus gardens ?
- 7 Name *two* plant diseases transmitted by vectors.
- 8 Explain the activity of nematodes in plant roots.

(6 × 1 = 6)

II. Answer any *seven* of the following in not less than 100 words each. Weight 2 each :

- 9 How lichens act on indicators of pollution ?
- 10 Write notes on fungal parasites on nematodes.
- 11 Write notes on coprophilous fungi with examples.
- 12 Describe the reproduction in Basidio mycetozoa.
- 13 Explain biochemical defense mechanism.
- 14 Write notes on altered biosynthetic pathway.

Turn over





19002844

- 15 Give an account of the common diseases of coconut.
- 16 Describe the abiotic causes of plant diseases.
- 17 What are the symptoms and control measures of rust of coffee ?
- 18 What are the common symptoms of viral diseases?

(7 × 2 = 14)

III. Answer any *two* of the following in not less than 250 words each. Weight 5 each :

- 19 Mention the agricultural significance of fungi.
- 20 Explain the biological means of disease control.
- 21 Explain the role of fungi in agricultural biotechnology.

(2 × 5 = 10)



643149
873