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BF—64—2016

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

BOTANY

Paper I

(Diversity of Microbes)

(MCQ + Theory)

(Wednesday, 19-10-2016)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :—(i) Attempt All questions.

(ii) All questions carry equal marks.

(iii) Use separate answer-sheet for MCQ (OMR sheet) and descriptive questions.

(iv) Time allowed to MCQ and to descriptive questions is 2.00 hours.

(v) Draw well labelled diagrams wherever necessary.

MCQ

1. Choose the *correct* answer of the following questions : 10

(1) Branch of Biology which deals with the study of viruses is called

(a) Bacteriology

(b) Phycology

(c) Virology

(d) Cytology

(2) Most of the plant viruses contain

(a) Only RNA

(b) Only DNA

(c) RNA and DNA

(d) None of these

(3) 'Mad cow disease' is caused by

(a) Virus

(b) Bacteria

(c) Fungi

(d) Prions

P.T.O.

- (4) The common mode of reproduction in bacteria is
(a) Sporulation (b) Binary fission
(c) Zoospore formation (d) Sexual reproduction
- (5) Bacteria were first discovered by
(a) Pasteur (b) Leeuwenhoek
(c) Koch (d) Mendel
- (6) Albugo belongs to class
(a) Oomycetes (b) Ascomycetes
(c) Basidiomycetes (d) Deuteromycetes
- (7) Alternaria reproduces only by
(a) Sexual method (b) Asexual method
(c) Both (a) and (b) (d) Binary fission
- (8) Mycology is the study of
(a) Viruses (b) Bacteria
(c) Fungi (d) Lichens
- (9) In Lichen thallus fungal partner is called
(a) Mycobiont (b) Phycobiont
(c) Zoobiont (d) All of these
- (10) Litmus is obtained from :
(a) Algae (b) Fungi
(c) Bacteria (d) Lichen

Theory

2. Describe the general characters and classification of viruses based on host. 10

Or

Describe in brief :

- (a) Structure of TMV
(b) Little leaf of brinjal.

3. Describe the structure and reproduction of Nostoc. 10

Or

Describe in brief :

- (a) Cleistothecium
- (b) Sexual reproduction in Albugo.

4. Describe the uredial and telial stages of Puccinia. 10

Or

Describe in brief :

- (a) Forms of Lichen
- (b) Role of fungi in medicine.