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B—410—2019

FACULTY OF SCIENCE

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

MARCH/APRIL, 2019

(CBCS/CGPA Pattern)

MICROBIOLOGY

Paper CCMB-I

(Introductory Microbiology-I)

(MCQ + Theory)

(Saturday, 20-4-2019)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :-** (i) Attempt MCQ on OMR answer-sheet separately.
(ii) Attempt theory questions on answer-book.
(iii) Attempt All questions.

MCQ

10

1. Multiple Choice Questions :

- (1) Which among the following is not belonging to microorganism :
(A) Fungi (B) Bacteria
(C) Algae (D) Plants
- (2) Lactic acid is produced by :
(A) Sacchormyces (B) Lactobacillus sp
(C) Penicillium (D) Pseudomonas
- (3) The germ theory of disease was putforth by
(A) Edward Jenner (B) Louis Pasteur
(C) Robert Koch (D) None of these

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- (4) In antiseptic surgery lister used
- (A) Alcohol (B) Acetone
(C) Phenol (D) Iodine
- (5) Tobacco mosaic virus is
- (A) Animal virus (B) Bacterial virus
(C) Human virus (D) Plant virus
- (6) Viruses needs for their multiplication.
- (A) Living cells
(B) Dead cells
(C) Both living and dead cells
(D) None of the above
- (7) In Binomial nomenclature system of classification, the first name designates the genus while the second name designates the
- (A) Species (B) Kingdom
(C) Order (D) Family
- (8) True actinomycetes are bacteria which grow in the forms of
- (A) Mycelia (B) Pseudopodia
(C) Roots (D) Conidia
- (9) Who among the following first of all disproved spontaneous generation by showing that maggots only appear on decaying meat that has been exposed to flies ?
- (A) Francesco Redi (B) Robert Koch
(C) Louis Pasteur (D) Joseph Lister
- (10) Lichen is an association between :
- (A) Algae-Fungi (B) Bacteria-Algae
(C) Fungi-Fungi (D) Bacteria-Protozoa

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Theory

2. Take a general account on types of microorganism with an example. 10

Or

Write notes on :

- (a) Beneficial role of microbes in industry. 5
(b) Harmful role of microbes in Human health. 5

3. What is pure culture ? Describe in detail discovery of pure culture. 10

Or

Write notes on :

- (a) Viruses 5
(b) Contribution of Louis Pasteur. 5

4. Write in detail the differences between prokaryotic cell and eukaryotic cells. 10

Or

Write notes on :

- (a) Binomial nomenclature. 5
(b) Genetic relatedness as method of identification of bacteria. 5

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