



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 1) Internal Examination - 2024
US01MAMIC01: Introduction to Microbiology

Date: 3rd October 2024, Thursday

Time: 11:00 AM to 12:30 PM

Total marks :30

Q-1 Attempt all following multiple-choice question.

(06)

- (1) The mechanism of phagocytosis was discovered by _____
(a) Louis Pasteur (b) Robert Koch (c) Ellie Metchnikoff (d) None of these
- (2) First chemotherapeutic agent used by Paul Ehrlich was _____
(a) Phenol (b) Salvarsan (c) Antibiotic (d) All of these
- (3) Which one is not a type of Fungi?
(a) Mold (b) Mushroom (c) Paramecium (d) *Saccharomyces cerevisiae*
- (4) A film of a specimen on a microscopic slide is called _____
(a) Smear (b) Layer (c) Coating (d) Area
- (5) The eyepiece of the microscope provides magnification of _____
(a) 20x (b) 40x (c) 10x (d) None of these
- (6) What among the following is responsible in bacterial virulence?
(a) Granule (b) Ribosomes (c) Capsule (d) Sheath



Q-2 Describe in detail "Germ theory of disease"

(06)

OR

Q-2 Write a note on Spontaneous generation conflict.

(06)

Q-3 Write a note on: Whittaker's Five-Kingdom Concept

(06)

OR

Q-3 Write in detail about the five categories of microorganisms along with examples of each.

(06)

Q-4 Write a note on Phase contrast microscopy

(06)

OR

Q-4 Explain in detail Gram staining Principle and Procedure in detail

(06)

Q-5 Write a note on: Typical Gram-negative bacterial cell wall.

(06)

OR

Q-5 Discuss the structure, chemical composition, types and function of bacterial flagella.

(06)