

(FOR THE CANDIDATES ADMITTED

21UZY613

DURING THE ACADEMIC YEAR 20

ONLY)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY 2024

BSC. ZOOLOGY

MAXIMUM MARKS: 70

SEMESTER-VI

TIME : 3 HOURS

PART – III

21UZY613-MICROBIOLOGY AND IMMUNOLOGY

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Who is known as the father of Microbiology?
 - a) Edwin John Butler
 - b) Ferdinand Cohn
 - c) Robert Koch
 - d) Antoni van Leeuwenhoek
2. The virus outer structure is made up of _____.
 - a) Proteins
 - b) Glycoproteins
 - c) Lipids and Proteins
 - d) All of the above
3. WHO recommended a control strategy for Tuberculosis (TB) known as _____.
 - a) DOTS
 - b) Gene therapy
 - c) Morphine
 - d) MCT
4. Which type of MHC Proteins Involved in the Humoral Immunity?
 - a) MHC class II proteins
 - b) MHC class I proteins
 - c) MHC class III proteins
 - d) MHC class IV proteins
5. This is cancerous state of blood _____.
 - a) Uremia
 - b) Chloremia
 - c) Leukemia
 - d) Proteinemia

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Solid media
7. Soil microorganisms
8. Covid19
9. Thymus
10. Tumor immunology

(CONTD 2)

SECTION – B**(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Write about the Classification of Bacteria
(OR)
b) Describe the Types of culture mediums
12. a) Discuss the Economic importance of bacteria..
(OR)
b) Describe the structure of Bacteria Phage..
13. a) Explain the Bacterial Diseases in humans
(OR)
b) Describe the Food spoilage and its diseases.
14. a) List the scope and application of immunology in current scenario.
(OR)
b) Describe the Lymphoid Organs.
15. a) Write an account on the Types and causes of tumors
(OR)
b) Examine the Classification of MHC

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)**

16. Write about the Fermentor design structure and list its products.
17. Enlist the different types of staining.
18. Write an essay on the importance of Agricultural microbiology in soil fertility
19. Write an essay on Mechanism of Immune Responses
20. Explain Classification of Immunity
21. Discuss the various types of Immunoglobulins
