

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2022**

ONLY)

22UZY613

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : MAY 2025

Bsc .ZOOLOGY(AIDED)

MAXIMUM MARKS: 50

SEMESTER-VI

TIME : 3 HOURS

PART-III

22UZY613-MICROBIOLOGY AND IMMUNOLOGY

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Who is the Father of Microbiology?
a. Lamark b. Darwin c. De Vries d. Antonie Von Leeuwen hoek
2. Select the polymorphic form of rhizobium bacteria in the legume plant _____
a. bacterioids b. biofertilizer. c. biofertilizers d. heterocysts
3. Choose the disease caused by *Vibrio cholera* _____
a. Tetanus b. TB c. Cholera d. AIDS
4. Tell the resistance developed by man during his life _____
a. Acquired immunity b. natural immunity c. native immunity d. none
5. Choose the Immunoglobulins which is present in the colostrums _____
a. IgG. b. IgM c. IgA d. IgE

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Differentiate living medium and Differential medium.
7. Explain Covid 19.
8. Define Putrefaction.
9. Expand MALT .
10. Explain lymphoma.

SECTION – B

(5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a). Interpret the different types of Gram's staining.

(OR)

- b). Describe the components of Broth medium.

(CONT...2)

Ethical paper

12. a) Describe the structure of E.coli.
(OR)
b) Assess the uses of Biofertilizer.

13. a) Examine the causes and symptoms of Tuberculosis.
(OR)
b) Interpret the food intoxication.

14. a) Assess the scope of immunology.
(OR)
b) Compare innate immunity with acquired immunity.

15. a) Interpret the causes of tumor .
(OR)
b) Compare lymphoid lineage and myeloid lineage.

SECTION – C**(5 X 5 = 25 MARKS)**

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
K4 (Or) K5

16. a) Outline the Isolation of pure culture techniques.
(OR)
b) Add notes on the bacterial growth curve.

17. a) Discuss the characteristics of Virus.
(OR)
b) Summarise the structure of bacteriophage.

18. a) Discuss the different methods of food Preservation.
(OR)
b) Interpret an Industrial production of Penicillin.

19. a) Thymus is a Primary lymphoid organ. Discuss.
(OR)
b) Summarise the structure and functions of Spleen.

20. a) Give a detailed account on MHC.
(OR)
b) Analyze the structure and functions of immunoglobulin G.
