

IV. Answer the following, each in about 50 words

(5 x 1= 5)

16. Define Attenuated vaccine.
17. What is variable region?
18. Define complement fixation.
19. What are mast cells?
20. What are myeloma cells?

PART B

Answer the following, each answer not exceeding 350 words. Draw diagrams and flow charts wherever necessary

(5 x 7= 35)

21. a. Discuss the role of Jenner, Pasteur and Koch in immunology.
(or)
b. Explain in detail about innate immunity and mechanisms involved.
22. a. Explain about the various domains of a typical antibody molecule.
(or)
b. Discuss in detail about IgD and IgE.
23. a. Write notes on agglutination reactions.
(or)
b. Bring out the steps involved in radioimmunoassay and mention its application.
24. a. Write short notes on secondary lymphoid organs.
(or)
b. Give an account of myeloid cells.
25. a. Explain briefly about polyclonal antibodies.
(or)
b. Elucidate the methodology involved in serum collection.

PART C

Answer any three of the following, each answer not exceeding 1200 words. Draw diagrams and flow charts wherever necessary

(3 x 15= 45)

26. Discuss in detail about the types of vaccines. Add note on immunization of infants.
27. Explain in detail about antigens and their properties.
28. Give a detailed account of Immunoelectrophoresis and its types.
29. Write notes on T lymphocytes their types and function.
30. Explain the process involved in hybridoma technology.
