

Roll No. _____

[Total No. of Pages : 2

SVS 328 B - 15
B.Sc. Vth Semester Degree Examination
Biotechnology (Opt)
(Immunology)
Paper : 5.5

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Answer **all** the questions.
2. Draw diagrams wherever necessary.

I. Answer the following in brief

(15×1=15)

1. Antibody
2. Plasma cells
3. Attenuation
4. Myeloma cells
5. Vaccine
6. Universal recipient
7. Hemopoietic tissue
8. Thymus
9. Dendritic Cells
10. Agglutination
11. M.H.C's
12. RIA
13. Active immunity
14. Hapten
15. Father of Immunology.

II. Write a short note on any **Five** of the following **(5×5=25)**

16. Immunofluorescence.
17. Humoral & Cell mediated immunity
18. Structure of spleen.
19. Antibody mediated cytotoxic (Type - II) hypersensitivity
20. Erythro blastosis fetalis.
21. Gene. Vaccines
22. Difference between T Cells & B- Cells.

III. Write an explanatory note on any **Four** of the following. **(4×10=40)**

23. Aquired Immunity
 24. Structure of granulocytes and agranulocytes.
 25. Applications of monoclonal antibodies in biotechnology
 26. Give an account on ABO blood grouping & blood transfusion.
 27. Types and functions of antibodies.
 28. Types of antigen antibody reactions.
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