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MBS 458

II Semester M.Sc. Degree Examination, September/October 2022
(CBCS-PG-CGPA)
MICROBIOLOGY
Immunotechnology

Time : 3 Hours

Max. Marks : 70

I. Answer **any five** of the following : **(5×3=15)**

- 1) Epitope.
- 2) Flagellar antigens.
- 3) Flocculation test.
- 4) Immunoelectrophoresis.
- 5) Dendritic cells.
- 6) Secondary Antibodies.
- 7) Immune Tolerance.

II. Write notes on **any five** of the following : **(5×5=25)**

- 8) ELISA.
- 9) Humanized monoclonal antibodies.
- 10) Flow cytometry.
- 11) Immunofluorescence.
- 12) Ouchterlony double diffusion test.
- 13) Immunosuppressive Therapy.
- 14) Culturing of macrophages.

III. Answer **any three** of the following : **(3×10=30)**

- 15) Describe general structure, classes and functions of immunoglobulins.
 - 16) Explain hybridoma technology for monoclonal antibody production and applications.
 - 17) Describe purification of antigens and antibodies by affinity chromatography techniques.
 - 18) Write an account on immunological basis of Graft Rejection.
 - 19) Discuss the principle, procedure and applications of Radio Immunoassay.
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