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MBH 453

II Semester M.Sc. Degree Examination, September/October 2022
(CBCS PG CGPA)
MICROBIOLOGY
Medical Microbiology and Immunology

Time : 3 Hours

Max. Marks : 70

- I. Write short notes on **any five** of the following : **(5×3=15)**
- 1) Lateral flow assay.
 - 2) Super antigens.
 - 3) AMPs.
 - 4) Sub unit vaccines.
 - 5) Immunogenicity.
 - 6) SCID.
 - 7) Immunosurveillance.
- II. Write notes on **any five** of the following : **(5×5=25)**
- 8) Microarray technology.
 - 9) Portal of entry of pathogen.
 - 10) Antimicrobial therapeutics.
 - 11) Recombinant DNA vaccines.
 - 12) Hematopoiesis.
 - 13) Pathophysiology of Hashimoto's thyroiditis.
 - 14) Tumor antigens.
- III. Answer **any three** of the following : **(3×10=30)**
- 15) Explain the epidemiology, aetiology, pathogenesis and control measures of Mycobacterium tuberculosis.
 - 16) Give an account on the mechanisms of Antibiotic resistance.
 - 17) Explain in detail the monoclonal and polyclonal antibodies.
 - 18) Explain the types of Hypersensitivity reactions.
 - 19) Describe the systemic autoimmune diseases with examples.
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