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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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