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Subject Title: Immunotechnology | Prepared by: M Madhavi
Year: II | Semester: IV | Updated on: 23.03.2019

Unit - I: Antibody Assays- Principle, Methodology & Applications

Essay Answer Type

1. Explain about precipitation and agglutination reactions and their applications.
2. Write briefly about western blotting and its applications.
3. What is mean by immunohistochemistry? Explain methodology and applications of immunohistochemistry.
4. Explain briefly about ELISA.
5. What is the principle involved in immunofluorescent assay and explain methodology.
6. Describe radial immunodiffusion and its applications.
7. Discus briefly about Immunoelectrophoresis and its applications.
8. What is RIA? Explain procedure and applications.

Short Answer Type

1. Write applications of ELISA
2. Agglutination reactions
3. Immunodiffusion
4. Applications of western blotting
5. Principle involved in immunoelectrophoresis
6. Immunohistochemistry

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Unit - II: Cellular Assays- Principle, Methodology & Applications

Essay Answer Type

1. Explain procedure of differential count in human peripheral blood.
2. Write the principles of separation of mononuclear cells from human peripheral blood.
3. Explain about lymphocyte transformation assay.
4. Write the method for separation of T & B cells from human blood.
5. Write about cell mediated cytotoxicity.
6. Discuss about micro cytotoxicity and its role in HLA typing.

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Short Answer Type

1. Applications of lymphocyte transformation assay
2. Cell mediated cytotoxicity
3. T and B lymphocytes
4. What is HLA typing
5. Write principles of micro cytotoxicity
6. Explain method of differential count
7. Write the principle involved in separation of mononuclear cells.

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