

Code :R7322305

1

III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011

IMMUNOLOGY

(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. (a) Explain about phylogeny of the immune system.
(b) Explain about the role of heptene and adjuvants.
2. (a) Explain about haematopoid's and lymphocyte leafficking.
(b) Explain about natural killer cells and eosinophik.
3. (a) Explain the role of thymus and spleen cells in immune system.
(b) Explain the role of lymphonode and lymphoid in immune system.
4. (a) Explain about T - cells subclasses.
(b) Explain about the role of T - cell in immune system.
5. (a) Explain about activation of B.cells.
(b) Explain about hybridoma technology.
6. (a) What about B-lymphocytes.
(b) Explain about Antigen - Antibody interactions.
7. (a) Write about hypersensitivity and types of hypersensitivity.
(b) Write about the role of immune system in transplantation.
8. (a) Write about immune suppressive drugs.
(b) Write about autoimmunity - experimental models of autoimmune disease treatment.

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1. (a) Explain about innate and acquired immunity.
(b) Explain about immunogens and antigens.
2. (a) Explain about macrophages of T.B. and Dendritic cells and Natural killer cells.
(b) Explain about Eosinophils and neutrophils.
3. (a) Explain about the role of Thymus and spleen cells in immune system.
(b) Explain the role of lymph node and lymphoid in immune system.
4. (a) Explain about B- lymphocytes, and immune - globulins.
(b) Explain about the antigen - antibody interactions.
5. (a) Explain about activation of B - cells.
(b) Explain about Monoclonal antibodies and their applications.
6. (a) Explain about T - cells subclasses and their lineage.
(b) Explain about Ag processing and presentation.
7. (a) Write about hypersensitivity and types of hypersensitivity.
(b) Write about the role of immune system in transplantation.
8. (a) Write about immune suppressive drugs.
(b) Write about Tumor immunology.

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3

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1. (a) Explain about the phylogony of the immune system.
(b) Explain about the properties influencing immunogenicity.
2. (a) Explain about haematopoiesis and lymphocyte trafficking.
(b) Explain about eosinophils, and neutrophils.
3. (a) Discuss the role of primary and secondary organs of thymus and spleen.
(b) Explain the role of thymic lymph node and lymphoid in immune system.
4. (a) Explain about immunoglobulins, their structure and functions.
(b) Explain about hypersensitivity.
5. (a) Explain about activation of B - cells.
(b) Explain about hybridoma technology.
6. (a) Explain about T- cells and their subclasses.
(b) Explain about Ag processing and presentation.
7. (a) Write about hypersensitivity and types of hypersensitivities.
(b) Write about the role of immune system in transplantation.
8. (a) Write about immune suppressive drugs.
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