Code No: R05322305 **R05** **Set No. 2**

III B.Tech II Semester Examinations,December 2010
IMMUNOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain the chemical nature of haptens? Discuss how they differ from adjuvants? [16]
2. Write short answers for the following:
   (a) Epitope
   (b) Affinity of antibodies
   (c) Polyclonal antibody
   (d) Fc region of antibody. [4×4]
3. Discuss how endogenous antigens processed & presented through MHC. [16]
4. Explain the various Ag-Ab reactions that are used in clinical diagnosis. [16]
5. What is lymphocyte trafficking? Explain the steps involved in the process of lymphocyte trafficking . [16]
6. (a) Discuss the importance of Haematopoietic microenvironment in B Cell development.
   (b) Discuss the negative selection process of B cell developement. [8+8]
7. Describe the different immunosuppressive protocols used during transplantation programmes. [16]
8. What are primary and secondary organs of the immune system? Explain them? [16]

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Code No: R05322305 **R05** **Set No. 4**

III B.Tech II Semester Examinations,December 2010
IMMUNOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Describe the different immunosuppressive protocols used during transplantation programmes. [16]
2. Discuss how endogenous antigens processed & presented through MHC. [16]
3. Explain the chemical nature of haptens? Discuss how they differ from adjuvants? [16]
4. Explain the various Ag-Ab reactions that are used in clinical diagnosis. [16]
5. Write short answers for the following:
   (a) Epitope
   (b) Affinity of antibodies
   (c) Polyclonal antibody
   (d) Fc region of antibody. [4×4]
6. (a) Discuss the importance of Haematopoietic microenvironment in B Cell development.
   (b) Discuss the negative selection process of B cell developement. [8+8]
7. What is lymphocyte trafficking? Explain the steps involved in the process of lymphocyte trafficking . [16]
8. What are primary and secondary organs of the immune system? Explain them? [16]

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Code No: R05322305 **R05** **Set No. 1**

III B.Tech II Semester Examinations,December 2010
IMMUNOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) Discuss the importance of Haematopoietic microenvironment in B Cell development.
   (b) Discuss the negative selection process of B cell developement. [8+8]
2. Explain the various Ag-Ab reactions that are used in clinical diagnosis. [16]
3. Explain the chemical nature of haptens? Discuss how they differ from adjuvants? [16]
4. Discuss how endogenous antigens processed & presented through MHC. [16]
5. Write short answers for the following:
   (a) Epitope
   (b) Affinity of antibodies
   (c) Polyclonal antibody
   (d) Fc region of antibody. [4×4]
6. What are primary and secondary organs of the immune system? Explain them? [16]
7. Describe the different immunosuppressive protocols used during transplantation programmes. [16]
8. What is lymphocyte trafficking? Explain the steps involved in the process of lymphocyte trafficking . [16]

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Code No: R05322305 **R05** **Set No. 3**

III B.Tech II Semester Examinations,December 2010
IMMUNOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Write short answers for the following:
   (a) Epitope
   (b) Affinity of antibodies
   (c) Polyclonal antibody
   (d) Fc region of antibody. [4×4]
2. Explain the chemical nature of haptens? Discuss how they differ from adjuvants? [16]
3. (a) Discuss the importance of Haematopoietic microenvironment in B Cell development.
   (b) Discuss the negative selection process of B cell developement. [8+8]
4. Discuss how endogenous antigens processed & presented through MHC. [16]
5. Explain the various Ag-Ab reactions that are used in clinical diagnosis. [16]
6. What is lymphocyte trafficking? Explain the steps involved in the process of lymphocyte trafficking . [16]
7. What are primary and secondary organs of the immune system? Explain them? [16]
8. Describe the different immunosuppressive protocols used during transplantation programmes. [16]

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