

Code No: R05412309

**R05**

**Set No. 2**

**IV B.Tech I Semester Examinations, November 2010**

**MOLECULAR PATHOGENESIS**

**Bio-Technology**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Discuss about the evolutionary aspects of pathogenicity starting from bacteria to parasites. [16]
2. Once under the mucous and epithelial surfaces, what are some mechanisms that bacterial pathogens possess to promote their discrimination throughout the body of host. [16]
3. Write an essay on the different modes of entry and penetration of pathogens into the body citing appropriate examples. [16]
4. Explain the common features of the host defense system surfaces that confer them the ability to prevent infections. [16]
5. (a) What are some epidemiologically important characteristics of a pathogen? What is a communicable disease?  
(b) What type of infectious disease carriers does epidemiology recognize? Explain the criteria used. [8+8]
6. Write notes on the following:  
(a) Vaccines  
(b) Immunomodulators. [8+8]
7. What is a complement system? Describe its components. [16]
8. Explain pulmonary and extra-pulmonary tuberculosis in detail [16]

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Code No: R05412309

**R05**

**Set No. 4**

**IV B.Tech I Semester Examinations, November 2010**

**MOLECULAR PATHOGENESIS**

**Bio-Technology**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. What is a complement system? Describe its components. [16]
2. Write notes on the following:
  - (a) Vaccines
  - (b) Immunomodulators. [8+8]
3. Once under the mucous and epithelial surfaces, what are some mechanisms that bacterial pathogens possess to promote their discrimination through out the body of host. [16]
4. Explain pulmonary and extra-pulmonary tuberculosis in detail [16]
5. Explain the common features of the host defense system surfaces that confer them the ability to prevent infections. [16]
6. Discuss about the evolutionary aspects of pathogenicity starting from bacteria to parasites. [16]
7. Write an essay on the different modes of entry and penetration of pathogens into the body citing appropriate examples. [16]
8. (a) What are some epidemiologically important characteristics of a pathogen? What is a communicable disease?  
(b) What type of infectious disease carriers does epidemiology recognize? Explain the criteria used. [8+8]

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Code No: R05412309

**R05**

**Set No. 1**

**IV B.Tech I Semester Examinations, November 2010**

**MOLECULAR PATHOGENESIS**

**Bio-Technology**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Explain pulmonary and extra-pulmonary tuberculosis in detail [16]
2. Once under the mucous and epithelial surfaces, what are some mechanisms that bacterial pathogens possess to promote their discrimination throughout the body of host. [16]
3. What is a complement system? Describe its components. [16]
4. Explain the common features of the host defense system surfaces that confer them the ability to prevent infections. [16]
5. Write an essay on the different modes of entry and penetration of pathogens into the body citing appropriate examples. [16]
6. Write notes on the following:
  - (a) Vaccines
  - (b) Immunomodulators. [8+8]
7. Discuss about the evolutionary aspects of pathogenicity starting from bacteria to parasites. [16]
8. (a) What are some epidemiologically important characteristics of a pathogen? What is a communicable disease?  
(b) What type of infectious disease carriers does epidemiology recognize? Explain the criteria used. [8+8]

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Code No: R05412309

**R05**

**Set No. 3**

**IV B.Tech I Semester Examinations, November 2010**

**MOLECULAR PATHOGENESIS**

**Bio-Technology**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Discuss about the evolutionary aspects of pathogenicity starting from bacteria to parasites. [16]
2. Explain the common features of the host defense system surfaces that confer them the ability to prevent infections. [16]
3. Write an essay on the different modes of entry and penetration of pathogens into the body citing appropriate examples. [16]
4. Explain pulmonary and extra-pulmonary tuberculosis in detail [16]
5. (a) What are some epidemiologically important characteristics of a pathogen? What is a communicable disease?  
(b) What type of infectious disease carriers does epidemiology recognize? Explain the criteria used. [8+8]
6. Once under the mucous and epithelial surfaces, what are some mechanisms that bacterial pathogens possess to promote their discrimination through out the body of host. [16]
7. What is a complement system? Describe its components. [16]
8. Write notes on the following:
  - (a) Vaccines
  - (b) Immunomodulators. [8+8]

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