



South Valley University
Faculty of Medicine
Dept. of Microbiology and Immunology



Third year examination in Microbiology and Immunology

Date: 16- 6 – 2010

Time allowed: 2 hours

Answer the following questions:-

I. A 10 years old male living in a rural area was admitted to the hospital complaining of muscle spasm and lock jaw (difficult to open his mouth). His father reported that he had a deep wound injury one week earlier.

1. What is the most probable causative organism. (20 marks)
2. Describe the pathogenesis this organism.
3. Prevention and control of this disease.

II. Give reason(s) for each of the following (In short items I) : - (30 marks)

1. Sabin vaccine is widely used more than Salk vaccine.
2. Arthropods act as a vectors for transmission of some diseases.
3. Inclusion bodies are of diagnostic value in some viral diseases.
4. MMR vaccine is contraindicated for pregnant woman.
5. L-form bacteria are resistant to β -lactam antibiotics.
6. VDRL test is not a specific test .
7. IgM antibodies can be used for diagnosis on certain diseases.
8. Eradication of rodents helps in prevention of some diseases.
9. Development of active prophylaxis against influenza is a problem.
10. *B.anthraxis* is considered a chosen weapon in biological war.

III. Write an **short** account on the following:- (25 marks)

1. Replication of HIV virus.
2. Graft rejection (types and mechanisms).
3. Application of recombinant DNA technology.
4. Toxic and infective type of food –poisoning.
5. Classification of Chlamydia.

IV. Explain how you deal with the following cases to reach **diagnosis** and to recommend **control**:- (25 marks)

1. A suspected case of cholera in non-endemic area.
2. A suspected case of pulmonary tuberculosis.
3. A suspected case of hepatitis B.
4. A suspected case of gonorrhea.
5. A suspected case of typhoid in second week of fever.

Good luck

الامتحان الشفهي بعد الامتحان النظري مباشرة بالقسم



South Valley University
Faculty of Medicine
Dept. of Microbiology and Immunology



Third year examination in Microbiology and Immunology
(TERM -2)

Date: 7- 6 – 2017

Time allowed: 2 hours

Answer the following questions:- (42 marks)

I. Give reason(s) for each of the following (Shortly !) : - (2 marks each)

1. Sabin vaccine is widely used than Salk vaccine.
- 2. The first line of treatment of tetanus is passive immunotherapy not antibiotics.
3. PCR test is recommended for anti-HCV positive patient.
4. MMR vaccine is contraindicated for pregnant woman.
5. Typhoid fever can not be diagnosed by Widal test during the first week of fever.
- 6. ASOT test is not reliable test for diagnosis of acute glomerulonephritis.
- 7. Blood culture is superior than uterine swab for diagnosis of puerperal sepsis.
8. *B.anthraxis* is considered a chosen weapon in biological war.

III. Write short account on the following:- (11 marks)

1. Antigenic variation in influenza viruses. (3 marks)
- 2. specific and non specific test for sero-diagnosis of syphilis. (3 marks)..
3. Toxic and infective types of food poisoning.(3 marks)
4. Classification of Chlamydia. (2 marks)

IV . Explain how you deal with the following cases to reach diagnosis and to recommend control: - (3 marks each)

- 1. A suspected case of brucellosis.
2. A suspected case of pulmonary tuberculosis.
3. A suspected case of hepatitis B.
4. A suspected case of gonorrhea in male.
5. A suspected case of early HIV infection.

Good luck

الامتحان الشفهي بعد الامتحان النظري مباشرة بالقسم

and W. A. A. A.

Signature

Mid-year examination (Medical Microbiology And Immunology)

Date: 28-1-2010

Time allowed : ONE HOUR

X

I. Compare and contrast between: - (Each 7 marks)

1. Type I and type IV hypersensitivity.
2. DNA probe and PCR.

II. Write short account on the following:- (Each 7 marks)

3. Types of graft and graft rejection.
4. Virulence factors of bacteria.

III. Write shortly on causative agent, laboratory diagnosis, control and treatment of the following cases: -(Each 6 marks)

5. Suspected case of rheumatic fever.
6. Suspected case of epidemic crebro-spinal meningitis.

Good Luck



South Valley University
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Third year examination in Microbiology and Immunology
Mid-year examination

Date: 22-1 – 2011

Time allowed: 1 hour

Answer the following questions:-

I. Write an **short** account on the following:- (25 marks)

1. Bacterial resistance to antibiotics.
2. Graft rejection (types and mechanisms).
3. Application of recombinant DNA techniques.
4. Differences between superantigens and classical antigens.
5. Differences between bacterial exotoxins and endotoxins.

II . Explain how you deal with the following cases to reach **diagnosis** and to recommend **control**: - (15 marks)

1. A suspected case of rheumatic fever.
2. A suspected case of staphylococci food poisoning.

Good luck



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Third year examination in Microbiology and Immunology

Date: 25- 8 – 2010

Time allowed: 2 hours

Answer the following questions:-

I. A 30 years old male suffering from fever, anorexia, jaundice, enlarged tender liver and abnormal liver function tests. The hepatitis markers were; HAV IgM : negative , HAV IgG : positive, HCV IgM : negative and HBc IgM : positive .

1. What is the most probable causative organism? (4X5 =20 marks)
2. What are the other confirmatory tests?
3. What are the control and prevention of this disease?
4. What are the prognosis and possible complications?

II. Give reason(s) for each of the following (In short items I) : - (10X4 =40 marks)

1. Sabin vaccine is widely used more than Salk vaccine.
2. Some diseases can be diagnosed by direct film examination.
3. Inclusion bodies are of diagnostic value in some viral diseases.
4. MMR vaccine is contraindicated for pregnant woman.
5. Mycoplasma are resistant to β -lactam antibiotics.
6. O and H antigens are used in Widal test.
7. IgM antibodies can be used for diagnosis on certain diseases.
8. Streptococci can not be isolated in rheumatic fever.
9. Development of active prophylaxis against influenza is a problem.
10. PCR for HCV RNA must be used to confirm HCV infection for anti-HCV positive patient.

III. Write an short account on the following:- (4X7 =28 marks)

1. Replication of HIV virus.
2. Type II hypersensitivity.
3. Real time PCR.
4. Difference between human and bovine TB.

IV : Explain how you deal with the following cases to reach diagnosis and to recommend control: - (4X8=32 marks)

1. A suspected case of cholera in endemic area.
2. A suspected case of leprosy.
3. A suspected case of gonorrhea.
4. A suspected case of brucellosis in second week of fever.

Good luck

الامتحان الشفهي و العملي بعد الامتحان النظري مباشرة بالقسم



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END TERM Examination for third year students

Jan,2013

Time : 2 hours.

I - Compare between the following:-

1. Bacterial exotoxins and endotoxins
2. Primary and continues cell lines for viral cultivation
3. Classical and alternation complement pathway
4. Cell wall of Gram negative and Gram positive bacteria
5. Type I and type III of hypersensitivity

II- Write short account on the following:-

1. Monoclonal antibodies and their applications
2. Recombinant DNA technology and its applications
3. Viral interference
4. Replication of RNA viruses
5. General out lines for diagnosis of fungal infections.

Good Luck