

Course No: DMEC 1207
Course Title: Microbiology
Date: 22/5/2013
No. of Questions: (6)
Time: 2 hours
Using Calculator (No)

University of Palestine



Final Exam
2nd 2012/2013
Total Grade: 60

Instructor Name: Yusra Al Dadah
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One:

(10 marks)

Chose the appropriate answer from the listed choice of each statement:

- 1- The bacteria cocci which mostly occur in pairs are:
 - a. Streptococci
 - b. Diplococcic
 - c. Tetracocci
 - d. None of these

- 2- Nanometer (nm) equal:
 - a. 10^{-2} meter
 - b. 10^{-3} meter
 - c. 10^{-6} meter
 - d. 10^{-9} meter

- 3- ----- help the bacteria in the adhesion of the host cell:
 - a. Flagella
 - b. Pilli
 - c. Capsule
 - d. Cell wall

- 4- The capsid which is surrounding the virus made of :
 - a. Fat
 - b. DNA
 - c. Protein
 - d. Cellulose

- 5- One of the following hepatitis viruses can be transmitted by food:
 - a. Hepatitis A
 - b. Hepatitis B
 - c. Hepatitis C
 - d. Hepatitis D

- 6- From the guidelines for management of hospital waste:
 - a. Segregation of waste
 - b. Storage and transportations of waste
 - c. Treatment and disposal of waste
 - d. All of the above

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- 7- Bacteria can divide and replicate by:
- Mitosis
 - Meiosis
 - Budding
 - Binary fission
- 8- Normal flora are:
- Pathogenic bacteria
 - Viruses that don't cause diseases
 - Viruses cause many diseases
 - Bacteria live inside human and don't cause diseases in normal conditions
- 9- The man who discovered Tuberculosis bacteria:
- Joseph Lister
 - Christian Gram
 - Robert Koch
 - Louis Pasteur
- 10- The side effect of antibiotic treatment could be:
- Allergic
 - Toxic
 - Biological
 - All of the above

Question Two:

(7 marks)

Write a scientific term for each of the following sentences:

- _____ science deals with the study of diseases.
- _____ discovered penicillin from the plant of mushroom.
- _____ are the smallest size of the microorganisms.
- _____ is a name of disease caused by Rubella virus.
- _____ cells relatively small and lacks true nucleus.
- _____ they have a role in bacterial protein synthesis.
- _____ microorganism infect small intestine resulting in cramping, bloating, fatigue and greasy diarrhea.

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Question Three: (10 marks)

Put a mark ($\sqrt{\quad}$) or (\times) in front of the following sentences:

- 1- () Most pathogenic bacteria are homozygous.
- 2- () Mycobacterium (T.B) is called acid fast bacteria.
- 3- () Gram negative bacteria appear purple under the microscope.
- 4- () Pathogenicity is the ability of an organism to cause disease.
- 5- () Viruses and bacteria can pass through the pores of filtration membrane.
- 6- () Vibrio cholera is gram positive, curved rods (comma shaped).
- 7- () All viruses consist of both RNA and DNA.
- 8- () Blood specimen is used for the examination of the presence of trophozoite or cyst of Entamoeba Histolytica
- 9- () Biology is a science which branching from microbiology.
- 10-() Influenza virus is a small-enveloped virus containing several strands of RNA

Question Four: (7marks)

A) Define:

Antiseptic: _____

Infectious disease: _____

B) The duration of incubation period (I.P) depends on:

1. _____

2. _____

3. _____

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Question Five:

(6 marks)

Answer the following Questions:

A) A patient should be considered infectious if he displays any of the following:

1. _____
2. _____
3. _____
4. _____

B) Write some of the precaution during collecting bacteriological specimens (at least four)?

1. _____
2. _____
3. _____
4. _____

Question Six:

(20 mark)

Answer (only seven) from the following Questions:

- 1) What is the clinical picture of Typhoid Fever?
- 2) Talk briefly about the epidemiology of cholera?
- 3) Mention the stages of viral replication?
- 4) Compare between the primary infection and the secondary infection?
- 5) What is the difference between communicable disease and non-communicable disease?
- 6) What is the source of infection of salmonella?
- 7) Why viruses replicate only inside host cells?
- 8) What are Natural defenses which protects you from the disease?
- 9) What are the Factors that affect the efficacy of disinfectants?
- 10) List some of the Factors which affecting the development of infection?

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End of Questions
Good Luck