

Course No: DMEC 1207
Course Title: Microbiology
Date: 25-01-2015
No. of Questions: (3)
Time: 1 hr
Using Calculator (No)

University of Palestine



Final term Exam
2014/2015
Total Grade: 20

Instructor: Dr. Essameddin Elzatma

Student No.: _____

Student Name: _____

College Name: Diploma

Dep. / Specialist: _____

Using Dictionary (No)

Multiple Choice (10 Marks)

- 1- The Gram stain is used to classify cells based on differences in their
A. cell wall B. nucleus C. cell membrane D. cytoplasm
- 2- Which of the following is NOT a characteristic of a Bacteria?
A. All are unicellular.
B. All are pathogenic.
C. Cell walls are composed of peptidoglycan.
D- Most possess cell walls.
- 3- This is not an internal structure of a bacteria
A. Ribosome B. Plasmid C. Pillus D. DNA
- 4- Which are of microbiology studies fungi?
A. Mycology B. Parasitology C. Biotechnology D. Immunology
- 5- Cell division occurs in bacteria by:
A. Budding B. Meiosis C. Binary Fission D. Mitosis
- 6- All of the following organisms are eukaryotes except:
A. Plants B. Bacteria C. Protozoa D. Fungi
- 20- Capsules generally aid with
A. nutrient transport B. cell attachment C. phagocytosis D. heat resistance
- 8- Which of the following statements about bacteria is NOT true?
A. Bacteria are essential to the presence of life on Earth.
B. Everyone has bacteria in and on his body.
C. Bacteria are used to make some foods.
D. All bacteria are pathogenic.
- 9- Coccus bacteria are:
A. round bacteria. B. rod bacteria. C. bacillus type bacteria. D. Spiral.
- 10- At which growth temperature bacteria grow at the fastest rate?
A. Very high temperature. B. Very low temperature. C. between 35-40 °C.
- 11- Eukaryotes include all EXCEPT
A. helminthes B. fungi C. plants D. animals E. bacteria
- 12- Cholera is caused by?
A. E.coli B. Vibrio cholera C. S. aureus

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- 13- Mycoplasmas are
A. types of fungi B. small bacteria C. species of protozoa D. forms of viruses.
- 14- Which one is not studied in microbiology?
A. Bacteria B. Animal behavior C. Fungi D. Viruses
- 15- All of the following are features of bacteria except
A. nitrogen fixation B. aerobic respiration C. sexual reproduction D. motility
- 16- Bacteria can be found in the shape of...
A. spheres B. rods C. spirals D. all of these Shapes.
- 17- A bacteria flagellum is...
A. series of tubes inside the cell. B. used for movement.
C. used for eating.
- 18- You will NOT find a _____ in a bacteria.
A. cell wall B. cell membrane C. cell nucleus D. none of the Above.
- 19- Where will you probably find bacteria?
A. Dead animal B. kitchen sink C. your Intestines D. all of these places.
- 20- Gram positive cells
A. have thick cell walls. B. secrete exotoxins.
C. have only one plasma membrane. D. all of the above are true.

True (T) or (F) sentences (5 Marks)

- 1- (T / F) Obligate aerobes only grow without the presence oxygen.
- 2- (T / F) Facultative anaerobes can only grow in the presence of oxygen.
- 3- (T / F) Obligate anaerobes can only grow in the absence of oxygen.
- 4- (T / F) Pathogenic bacteria are not part of the normal flora of healthy individuals.
- 5- (T / F) Bacteria are considered to be prokaryotes.
- 6- (T / F) Bacteria with a spherical shape are referred to as cocci.
- 7- (T / F) Botulism toxin is an example of exotoxin.
- 8- (T / F) Penicillin controls bacterial growth by inhibiting protein synthesis.

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9- (T / F) The significance of the plasma membrane is that it selectively allows some molecules to pass into the bacteria.

10- (T / F) Bacterial cell walls are composed of peptidoglycan.

Give brief definition to the following term (5 Marks)

1- Pathogen

2- Normal Flora

3- Wide spectrum antibiotics

4- Anaerobic bacteria

5- Nitrogen fixation

GOOD LUCK