



المجموعة: الرقم:

الاسم:

Select the best answer and please transfer it to the table below

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Total
Marks (20)

- 1- Microbiology is the science that studies:
A) Bacteria and Fungi B) Viruses D) Very small animals D) All the above E) Only A and B
- 2- In Mycobacterium tuberculosis, the genus is:
A) Mycobacterium B) Tuberculosis C) Mycobacterium tuberculosis D) All the above
- 3- The cytoplasm of bacteria contains:
A) Ribosome, DNA, Cell wall
B) Mitochondria, Ribosome, Golgi apparatus, DNA
C) Mitochondria, Ribosome, DNA
D) Ribosome, Golgi apparatus, DNA
E) Ribosome, DNA
- 4- In this bacterium *S. aureus*, the following is true:
A) The species is Staphylococcus
B) It is Gram positive bacterium
C) It contains mitochondria
D) It contains high lipid content in the cell wall.
E) Both B and D
- 5- The following is an example of endospore forming bacteria:
A) Bacillus anthracis
B) Staphylococcus aureus
C) Staphylococcus epidermidis
D) Staphylococcus saprophyticus
- 6- The following control (or controls) the movement of nutrients between the cell and the surrounding environment:
A) Cell wall B) Cell membrane C) Capsule D) All the above E) Only A & B

7- An example of Macro nutrient :

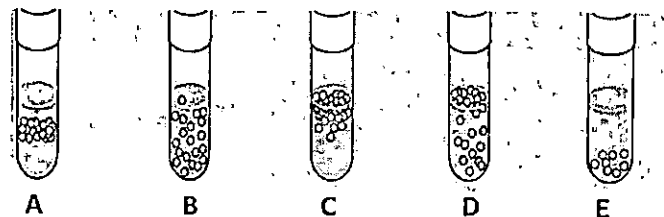
- A) Carbon B) Mineral elements e.g Copper C) Amino acids D) Vitamins E) Water

8- Bacterium mostly prefers the following pH for their growth:

- A) Acidic B) Alkaline C) Neutral D) Acidic or Neutral

9- The growth of bacteria in tube A is:

- A) Aerobic B) Anaerobic C) Microaerophilic
D) Facultative anaerobic E) Aerotolerant



10- The reproduction of E. coli occurs by:

- A) Binary fission B) Mitosis C) Meiosis D) Sexual reproduction

11- The following can be used to adjust PH of the medium that is used for cultivation of E. coli:

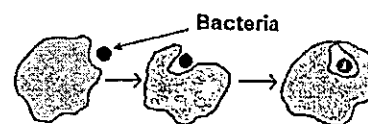
- A) PH meter B) Electrical Balance C) PH device D) PH thermometer

12- To allow B. anthracis to grow,.....is needed for its cultivation:

- A) Medium B) Culture C) PH meter D) Microscope

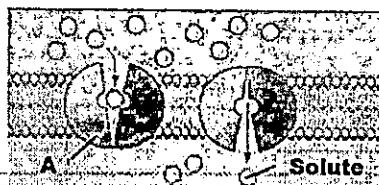
13- In this figure, this transport is:

- A) Phagocytosis B) Pinocytosis C) Exocytosis D) Active transport by protein pump



14- In this figure, A is:

- A) Protein pump or channel protein
B) Carrier protein or channel protein
C) Channel protein only
D) Carrier protein only



15- The following is true regarding an E. coli cell except:

- A) The synthesis of energy occurs in mitochondria. B) The synthesis of proteins occurs in ribosome.
C) The chromosome carries the genetic information D) It contains cell wall, cell membrane, and DNA.

16- The following is true regarding bacteria:

- A) Non pathogenic bacteria can be present in human body. B) Broad spectrum antibiotic can kill S. aureus
C) Non pathogenic bacteria can be present in soil and sterile medium for bacterial cultivation.
D) The spores that are formed by Staphylococci are highly resistant to sterilization process. E) A & B

17- Commensal bacteria is considered to be:

- A) Psychrophiles B) Mesophiles C) Moderate thermophiles D) Psychrophiles or Mesophiles

18- Coarse adjustment in microscope is important to :

- A) Move the stage large distance B) Move the stage small distance C) Adjust amount of light

19- is important to control the contrast of light passing through the specimen:

- A) Diaphragm B) Fine adjustment C) Ocular lens D) No answer is correct

20- microscope is used to examine living cells without staining:

- A) Bright field B) Dark field C) Phase contrast

Good luck

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