

Athar

Microbiology Mid

Done By:

shefaa hashim

Designed By :

Raneem Dmour



1-What is the product of pseudomonas fermentation in carbohydrates rich medium

A-acetone

B-alcohol

C-ethanol

D-mixed acid

E-none of the above ✓

2-Gram positive non spore forming bacteria cause gastroenteritis ?

Listeria monocytogenes ✓

3-Not true about Gram -ve ?

(D-Ala)----(5-Gly)----(L-Ala) ✓

4-all of the following true except :

virus can be cultured on artificial media ✓

5-one of the following does not contain a nucleic acid

prions ✓

6-which bacteria cause severe profuse watery diarrhea(rice water)

vibrio cholera ✓

7-Ehrlich's reagent ?

indole production ✓

8-Which of the following bacteria is oxidase positive

pseudomonas ✓

9-Which of the following bacteria causes of whooping cough

bordetella pertussis ✓

10-Lag phase is called:

A-adjustment phase ✓

B-death phase

C-stationary

D-maximal growth

11-One of the following correct about Tyndallization:

exposure of 100c for 20 minutes on 3 successive days ✓



12-What of these statement is correct (معلومة حكمتها الدكتوراة بالمحاضرة):

antigen associated with a pathogen is more accurate than antibodies against a specific pathogen ✓

13-A young kid has meningitis\ gram negative cocccbacili\dose not take any vaccine?
H.influenzae ✓

14-What is the phage of Scarlet fever phenotype?
T12 ✓

15-lack of antioxidant enzymes:

- A-Anaerobes ✓
- b-Aerobes
- c-Microaerophile
- d-Macroaerophils

16-One of the following is INCORRECT regarding filtration

- A-used for vitamin sterilizing
- B-antibiotics solution
- C-0.46 pore size for bact
- D-0.02 pore size for sterilization ✓
- E-0.22 pore size for solutions

17-One of the following is INCORRECT

- A 35% → 100% concentration
- B-HCHO
- C-Use for rubber
- D-Broad spectrum
- E-35% is sporicidal ✓

18-All of the following is correct about pilli EXCEPT:

- A- present on the surface of all gram negative bacteria. ✓
- B- each bacterial cell bear 100-500 pilli.
- C- have no roll in motality.
- D- there origin from cytoplasm and penetrate through peptidoglycan layer of cell wall.

19-INCORRECT about Flagella structure:

- A- basal body, hook, filament from inside to outside
- B- basal body embedded in peptidoglycan layer. ✓
- C- hook located outside the cell wall.
- D- hook can rotate around itself.
- E- flagella distribution varies in bacteria



20-One of the following is internal to cell wall

A-Mesosomes

B-Flagella

C-Pili

D-Caabout

21-Which of the following is incorrect about bacteria:

Answer: (Streptococcus pyogenes gram positive catalase negative b-hemolytic group b Streptococcus causes pharyngitis)

22-One of the following is true regarding free radicals

a. Hydrogen peroxide break down by catalase only

b. superoxide free radical inhibition by tow enzymes

c. Hydrogen peroxide break down by peroxide only

d. Superficial free radical inhibition by one enzyme

23-Which type of cocci bacteria is cuboidal:

Answer: Sarcinae

24-Which of the following is false:

a. O antigen can act as endotoxins

b. Lipid A stableite outer membrane structure

c. Lipid A may cause septic shock

25-Which give copy plasmid ?

Answer: Conjugation

26-The true regarding peptide interbridge gram +ve :

A. D Alanine - 5 Glycine - L lysine

B. I Ala - 5 Gly - L lys

C. D Ala - 4 Gly - L lys

D. L lys - 5 Gly - D Ala

27-All the following are true except:

A. Pili always present on the surface of Gram -ve

B) Capsule may have antiphagocytic activity

C) Mesosomes increase surface area

D) Inclusion body save material

E) Cytoplasmic membrane the same in gram positive and gram negative

28-Penicillin bind to:

Answer: Penicillin binding protein



29-The antimicrobial that inhibit binding of amonoacyl-t-RNA to the acceptor site on the 70 S ribosome:

- A.Tetracycline ✓
- B.Lincosamides
- C.Macrolide
- D.Amphenicol

