

Quick Recap

TRUE or FALSE

All microorganisms are prokaryotes

ANS:FALSE

The main component of the capsule

- a) Polysaccharides
- b) Proteins
- c) Water
- d) Peptidoglycans

ANS: C

Correct about endotoxins

- a) Heat stable
- b) Is found only in the cell wall of gram-positive bacteria
- c) Is found only in the capsule of gram-negative bacteria
- d) Made of Glycoproteins

ANS: A

Which of the following bacterial components is essential

- a) Cell wall
- b) Capsule
- c) Biofilm
- d) Spores

ANS: A

Wrong about spores

- a) Method of bacterial reproduction
- b) Heat resistant
- c) Low water content
- d) Are non essential

ANS:A

Bacteria in dark and takes carbon from organic molecules

- a) Chemoheterotrophs
- b) Chemoautotrophs
- c) Photoautotrophs

ANS:A

Sterilization of endoscopes use

- a) Hydrogen Peroxide
- b) Autoclave
- c) Ethylene Oxide
- d) Alcohol 70%

ANS: C

Which of the following method is preferred to be used to sterilize solutions that likely to be damaged by heat?

- a) Filtration
- b) Boiling
- c) Inspissation
- d) Pasteurization

ANS: A

Sterilizing a respiratory therapy equipment is best achieved by?

- a) Glutaraldehyde
- b) Alcohol
- c) Halogens
- d) Infra-red rays
- e) Hydrogen Peroxide

ANS: A

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Lipopolysaccharide in cell walls is characteristic of?

- a) Gram-positive bacteria
- b) Gram-negative bacteria
- c) Fungi
- d) Alga

ANS: b

Peptidoglycan layer is present in large quantity in?

- a) Gram-positive bacteria
- b) Gram-negative bacteria
- c) Fungi
- d) Algae

ANS: A

Peptidoglycan is made up of _____

- a) N-acetylglucosamine
- b) N-acetylmuramic acid
- c) N-acetylglucosamine, N-acetylmuramic acid
- d) N-acetylglucosamine, N-acetylmuramic acid, amino acids

ANS: C

Gram-negative bacteria are more resistant to antibiotics due to the presence of?

- a) Thin peptidoglycan wall
- b) Outer lipopolysaccharide layer
- c) Porin proteins
- d) Teichoic acid

ANS : b



The growth rate of bacteria during the exponential(log) phase of growth is

- (A) Zero
- (B) Increasing
- (C) Constant
- (D) Decreasing
- (E) Negative

ANS: C

8. Your superior requests that you sterilize some surgical instruments. Which one of the following agents would you use?

(A) Benzoic acid (2%)

(B) Isopropyl alcohol (2%)

(C) Glutaraldehyde (2%)

(D) Hydrogen peroxide (2%)

(E) Quaternary ammonium compound (2%)

ANS: C

1. Mutations in bacteria can occur by which of the following mechanisms?

(A) Base substitutions

(B) Deletions

(C) Insertions

(D) Rearrangements

(E) All of the above

Ans:e

THANK YOU