

St. Mary's PG College Vidisha
Objective type questions
Class-BSc 1 year

1. The association of endotoxin in gram-negative bacteria is due to the presence of

- A. Steroids
- B. Peptidoglycan
- C. Lipopolysaccharides
- D. Polypeptide

2. Which of these bacterial components is least likely to contain useful antigens?

- A. Cell wall
- B. Flagella
- C. Ribosomes
- D. Capsule

3. Which of the following contains structures composed of N-acetylmuramic acid and N-acetylglucosamine?

- A. Mycoplasmas
- B. Amoeba
- C. E. coli
- D. Spheroplast

4. The prokaryotic cell membrane

- A. Contains metabolic enzymes.
- B. Is selectively permeable.
- C. Regulates the entry and exit of materials.
- D. Contains proteins and phospholipids.

5. Prokaryotic cells are more resistant to osmotic shock than eukaryotic cells because

- A. Their cell wall is composed of peptidoglycan.
- B. They are selectively permeable.
- C. They contain osmoregulating porins.
- D. They block water molecules from entering the cell.

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6. Vaccination was invented by _____

- a) Jenner
- b) Pasteur
- c) Watson
- d) Crick

7. The Batch culture is a/an _____ culture system.

- a) Open
- b) Closed
- c) Isolated
- d) Semi-closed

8. A period during which the growth rate of cells gradually increases is known as _____

- a) Lag phase
- b) Log phase
- c) Stationary phase
- d) Deceleration phase

9. During batch fermentation, in which phase the microbes in the fermenter are adapting to the new environment?

- a) Lag phase
- b) Log or exponential phase
- c) Stationary phase
- d) Death phase

10.. What is the approximate size of the bacterial cell?

- a) 2mm in diameter
- b) 1mm in diameter
- c) 2 micrometer in diameter
- d) 0.5 to 1.0 micrometer in diameter

Ans- 1(c), 2(c), 3(c), 4(d), 5(a), 6(a), 7(b), 8(b),
9(a), 10(d),

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