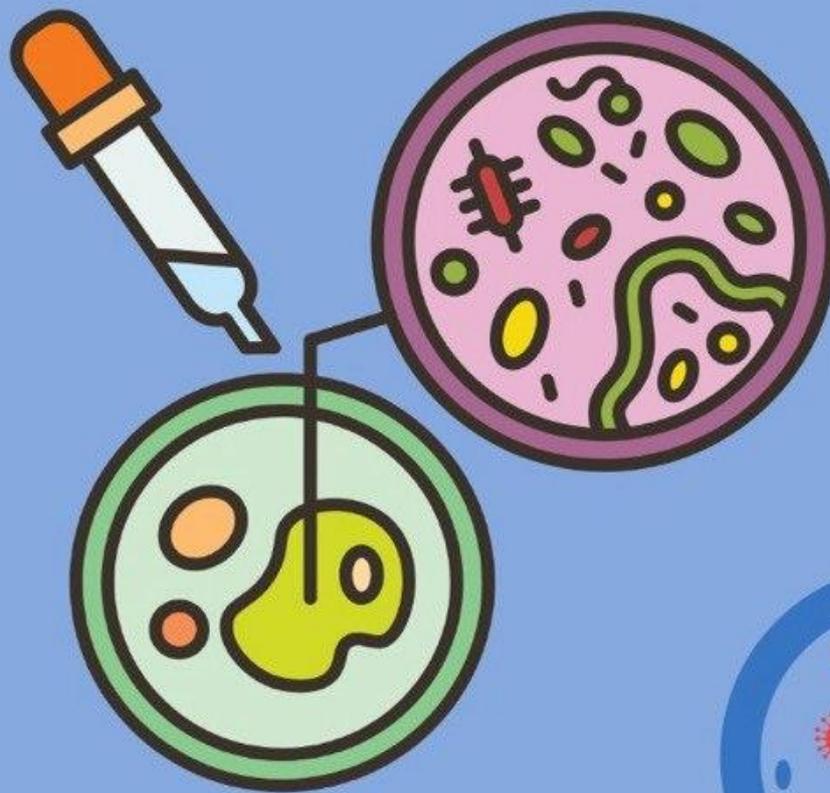


Level 1 - semester 2



# Microbiology



MSK - mcq

2024

Dr. A.G.





- 1) Which of the following is gram positive non motile capsulated bacilli?
- Clostridium botulinum
  - Clostridium perfringens
  - Clostridium tetani.
  - Clostridium difficile
- 2) When bacteria grow only in presence of free O<sub>2</sub>, it is classified as which of the following
- Facultative anaerobes
  - Obligatory aerobes
  - Obligatory anaerobes
  - Microaerophilic
  - strictly anaerobic
- 3) Which of the following cause gas gangrene?
- Clostridium botulinum
  - Clostridium tetani.
  - Clostridium perfringens
  - Clostridium difficile
- 4) When bacteria Grow best in the presence of a minimal amount of oxygen., it is classified as which of the following
- Facultative anaerobes
  - Obligatory aerobes
  - Obligatory anaerobes
  - Microaerophilic
  - strictly anaerobic

1	2	3	4
B	B	C	D





5) What is the best specimen for diagnosis of clostridium botulinum

- a- Urine
- b- Faeces
- c- Csf
- d- Skin
- e- Blood

6) Obligatory anaerobes Grow in absence of O<sub>2</sub> and cannot grow in the presence of O<sub>2</sub>, Due to lack of the following except?

- a- Catalase enzyme
- b- Peroxidase enzyme
- c- phospholipase
- d- Superoxide dismutase
- e- cytochrome system

7) Which of the following is considered Gram positive bacilli forming spores?

- a- Clostridium
- b- Peptococcus
- c- Veillonella
- d- Actinomyces
- e- Bacteroides

8) When bacteria grow well in presence or absence of O<sub>2</sub>, it is classified as

- a) Facultative anaerobes
- b) Obligatory aerobes
- c) Obligatory anaerobes
- d) Microaerophilic
- e) Strictly anaerobic

5	6	7	8
B	C	A	A





9) Which of the following is considered Gram positive bacilli non sporing ?

- a- Clostridium
- b- Peptococcus
- c- Veillonella
- d- Actinomyces
- e- Bacteroides

10) About clostridia, which of the following have important role in pathogenesis?

- a- endotoxin
- b- exotoxin
- c- enzymes
- d- pigments
- e- metabolites

11) in presence of O<sub>2</sub>, peroxides will be formed which is very toxic to the organism, SO that bacteria must be

- a- Facultative anaerobes
- b- Obligatory aerobes
- c- Microaerophilic
- d- strictly anaerobic

12) Which of the following cause pseudomembranous colitis?

- a- Clostridium botulinum
- b- Clostridium tetani.
- c- Clostridium perfringens
- d- Clostridium difficile

9	10	11	12
D	B	D	D





13) Which of the following is considered Gram negative cocci?

- a. Clostridium
- b. Peptococcus
- c. Veillonella
- d. Actinomyces
- e. Bacteroides

14) 35 years old sara presented to emergency hospital with Blurred vision, Inability to swallow, Difficulty in speech, Descending weakness of skeletal muscles What is your diagnosis ?

- a) Clostridium botulinum
- b) Clostridium tetani.
- c) Clostridium perfringens
- d) Clostridium difficile

15) What is the most potent botulinum toxin antigenic type?

- a- C
- b- D
- c- A
- d- B
- e- E

16) Which of the following is considered Gram positive cocci?

- a- Clostridium
- b- Peptococcus
- c- Veillonella
- d- Actinomyces
- e- Bacteroides

13	14	15	16
C	A	C	B





17) which of the following is gram positive motile non capsulated bacilli with drum stick appearance?

- Clostridium botulinum
- Clostridium perfringens
- Clostridium tetani.
- Clostridium difficile

18) A 30-year-old Omar was admitted for a gunshot wound in the right lower limb with severe pain and swelling at the site of his injury. The patient's right foot had become discolored, and several bullae had appeared on the skin. Physical examination revealed low-grade fever, marked tachycardia& crepitus while palpating the limb. Site of injury is tender and oozing a thin, dark, and foul-smelling fluid, What is the most likely case diagnosis?

- Clostridium botulinum
- Clostridium perfringens
- Clostridium tetani.
- Clostridium difficile

19) Which of the following is considered Gram negative bacilli ?

- Clostridium
- Pepto coccus
- Veillonella
- Actinomyces
- Bacteroides

20) Which of the following cause blocking the release of inhibitory neurotransmitters (GABA at AHCs) and cause generalized muscular spasms?

- Clostridium botulinum
- Clostridium perfringens
- Clostridium tetani.
- Clostridium difficile

17	18	19	20
B	B	E	C





21) isolation & confirmation of clostridium tetani is made by which of the following:

- a- Culture
- b- Direct film
- c- Serological tests
- d- Neutralization by specific antitoxin

22) Nagler`s reaction is characteristic to th=0 which of the following bacteria?

- A- Clostridium botulinum
- B- Clostridium perfringens
- C- Clostridium tetani.
- D- Clostridium difficile
- E- Actinomycces

23) Egg yolk-glucose agar or serum agar is unique for growth of the following bacteria?

- a- Clostridium botulinum
- b- Clostridium tetani.
- c- Clostridium perfringens
- d- Clostridium difficile
- e- Actinomycces

24) Clostridium botulinum cause the following diseases?

- a- generalized spasms
- b- lock gaw
- c- trismus
- d- flaccid paralysis
- e- hydrocephalus

21	22	23	24
D	B	C	D





25) Which of the following is CAUSE Antibiotic-associated diarrhea?

- a. Clostridium botulinum
- b. Clostridium perfringens
- c. Clostridium tetani.
- d. Clostridium difficile

26) Nagler`S Reaction Occurs Due To Production Of Which Of The Following Toxins?A

- A- Theta-toxin
- B- Alpha toxin (lecithinase)
- C- (O<sub>2</sub>-labile cytolysin)
- D- Enterotoxins
- E- Extracellular Enzymes

25	26
D	B

