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Inst Instructions:

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All questions are compulsory

1) MCQ question paper should be conducted and completed in first 30 min.

2) Fill (dark) the appropriate empty circle against the question number once only.

3) Use blue/black ball point pen only.

4) Each MCQ carries half mark.

5) Students will not be allotted mark if he/she overwrites/ strikes or put white ink on the cross once marked on MCQ.

Time : 30 Minutes

Maximum Marks : 8

Q. 1

Total MCQs : 16

16 X ½ = 8

1 Following pathogen does not satisfy Koch's postulates

a. Bacillus anthracis

b. Mycobacterium tuberculosis

c. Clostridium tetani

d. Lepra bacilli ✓

2 ENT is seen in :-

a. Lepromatous leprosy

b. Tuberculoid leprosy

c. Indeterminate leprosy

d. Pure neuritic leprosy ✗

3 Stalactite growth in ghee broth is due to :

a. H. influenzae

b. Corynebacterium diphtheriae

c. Y. pestis ✓

d. T. pallidum

4 Which of the following is the mechanism of action of diphtheria toxin?

a. Forms pores in red blood cells causing hemolysis

b. Degrades lecithin in eukaryotic cell membranes

c. Causes release of tumor necrosis factor

d. Inhibits elongation factor 2 ✓

5 Which of the following is an enrichment media

a. Nutrient broth

b. Tetrathionate broth

c. Stuart medium

d. Thayer Martin medium

6 Which of the following is most likely to be associated with the formation of a bacterial biofilms?

a. Airway colonization in a cystic fibrosis patient with a mucoid (Alginate-producing) strain of pseudomonas aeruginosa

b. Urinary tract infection with Escherichia coli

c. Meningitis with Neisseria meningitides

d. Tetanus

7 Commensal flora is commonly found in the :-

a. Liver

b. Urethra

c. Kidneys

d. Salivary glands

8 A farmer presents to the emergency department with painful regional lymphadenopathy, history of fever and flu like symptoms. Clinical examination reveals an ulcer in leg. Which of the following stains should be used to detect suspected bipolar stained organisms

a. Albert stain

b. Wayson's stain ✓

c. Ziehl Neelsen stain

d. Mc Faydean's stain

9 Silver impregnation method is used for demonstration of :

a. Spirochaetes

b. Vibrio cholerae

c. salmonella

d. Shigella

10 A 4 year old boy develops bloody diarrhea. Hemorrhagic colitis due to Escherichia coli O157:H7 is suspected. What medium should be inoculated to help the laboratory staff make the diagnosis of this infection?

a. Blood agar

b. Sorbitol MacConkey agar ✓

c. Hektoen enteric agar

d. CIN (ceftriaxone, irgasan, novobiocin) agar

11 Scrub typhus is transmitted by :

a. Reduvid bug

b. Ticks

c. Enteric pathogens

d. Trombiculid mite larva ✓

12 Vibrio parahaemolyticus food poisoning is caused by ingestion of :-

a. Eggs & Poultry products

b. Catfish, shellfish ✓

c. Raw vegetables

d. Milk products

13 Which is true of enterobacteriaceae :-

a. All are oxidase negative ✓

b. Nitrate reduction negative

c. Glucose not fermented by all

d. Motile by polar flagellum

14 Chancroid is caused by :-