

CBME**Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION - JANUARY, 2024****SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY PAPER-I****(Multiple Choice Questions) (SET-B)****Time: 20 Minutes****Max Marks: 20**

SECTION-I (MCQs - 20 MARKS)**1X2=20**

1) Intracellular gene transfer between chromosome and plasmids by jumping genes is called as

- a. Transformation
- b. Conjugation
- c. Transduction
- d. Transposition

2) Urease positive bacteria

- a. Escherichia coli
- b. Klebsiella pneumoniae
- c. Salmonella typhi
- d. Vibrio cholerae

3) Selective medium to isolate vibrio species

- a. Lowenstein Jensen medium
- b. Thiosulfate citrate bile salt sucrose agar medium

- c. Xylose lysine deoxycholate agar medium
 - d. Potassium tellurite agar medium
- 4) Gram positive bacilli arranged in Chinese letter pattern
- a. Actinomyces israeli
 - b. Bacillus anthracis
 - c. Clostridium tetani
 - d. Corynebacterium diphtheriae
- 5) One of the following vaccine is not given at birth
- a. DPT vaccine
 - b. Oral polio vaccine
 - c. Hepatitis B vaccine
 - d. BCG vaccine
- 6) Granuloma formation in Tuberculosis is a manifestation of
- a. Type I hypersensitivity reaction
 - b. Type II hypersensitivity reaction
 - c. Type III hypersensitivity reaction
 - d. Type IV hypersensitivity reaction
- 7) First complement component that is activated in alternative pathway is
- a. C1
 - b. C3b
 - c. C4
 - d. C2

8) Antibody that is elevated in acute infection

- a. IgG
- b. IgA
- c. IgM
- d. IgD

9) More than 90% risk of transmission of HIV is associated with

- a. Blood transfusion
- b. Sexual intercourse
- c. Parent to child
- d. Injection drug abuse

10) A young rice field farmer develops high grade fever, jaundice and oliguria. Physical examination reveals conjunctival hemorrhage, petechiae and purpura. Renal and liver function tests were found to be abnormal. The most likely diagnosis is

- a. Relapsing fever
- b. Leptospirosis
- c. Lyme disease
- d. Brucellosis

11) Drug of choice for scrub typhus is

- a. Doxycycline
- b. Ciprofloxacin
- c. Amoxicillin
- d. Co-trimoxazole

12) Endoscopes and cystoscopes are sterilized by

- a. Ethylene oxide
- b. Autoclave
- c. Hot air oven
- d. Hypochlorite

13) Steatorrhea is associated with

- a. Intestinal amoebiasis
- b. Ascariasis
- c. Giardiasis
- d. Cryptosporidiosis

14) Pathogen associated with adenocarcinoma of the stomach is

- a. Helicobacter pylori
- b. Campylobacter jejuni
- c. Clostridium difficile
- d. Shigella dysenteriae

15) Fever, abdomen cramps and bloody diarrhea developing after more than hours of consumption of undercooked chicken is most likely caused by

- a. Staphylococcus aureus
- b. Bacillus cereus
- c. Clostridium perfringens
- d. Campylobacter jejuni

16) A young child presents with febrile episodes, anemia and splenomegaly, peripheral blood smear examination reveals RBC with small and multi ring

forms, banana shaped gametocytes which are larger than RBC. The most likely pathogen is

- a. Plasmodium falciparum
- b. Plasmodium vivax
- c. Plasmodium ovale
- d. Plasmodium malariae

17) Painless, slow growing hard mass with multiple cutaneous fistulae discharging pus is associated with

- a. Actinomycosis
- b. Nocardiosis
- c. Anthrax
- d. Leprosy

18) One of the following is not a feature of tuberculoid leprosy

- a. Normal cell mediated immunity
- b. Lepromin test negative
- c. Bacilli are few in number in the lesions
- d. Skin lesions are few

19) A 10 year old boy presents with red sores on the face covered by honey-colored crusts. The lesions are painless and there is no fever. The most likely clinical diagnosis is

- a. Impetigo
- b. Erysipelas
- c. Carbuncle
- d. Furuncle

20) Visceral larva migrans is frequently caused by

- a. *Toxocara canis*
- b. *Ascaris lumbricoides*
- c. *Ancylostoma duodenale*
- d. *Strongyloides stercoralis*

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