

**CBME****Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION - DECEMBER, 2022****SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY - PAPER-I (SET-A)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions.**

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

- 1) One of the following is a transport medium
    - a. Lowenstein Jensen medium
    - b. Thiosulfate citrate bile salt sucrose agar medium
    - c. Amies medium
    - d. Deoxycholate citrate agar medium
  
  - 2) Example of Precipitation reaction is
    - a. Coombs test.
    - b. Rapid Plasma Reagin test.
    - c. Widal test
    - d. Paul Burnell test
  
  - 3) A 35 year old rice field farmer presents with complaints of high grade fever, jaundice and oliguria. Physical examination reveals conjunctival hemorrhage, petechiae and purpura. Renzi and liver function tests were found to be abnormal. The provisional diagnosis is
    - a. Relapsing fever
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- b. Leptospirosis
- c. Lyme disease
- d. Brucellosis

4) Infantile diarrhea is commonly caused by

- a. Enteropathogenic E.coli
- b. Enterohaemorrhagic E.coli
- c. Enterotoxigenic E.coli
- d. Enteroinvasive E.coli

5) A 5 year old boy presents with complaints of recurrent episodes of foul smelling diarrhea, foul smelling flatus, sulfurous belching and profound weight loss. Stool examination reveals pear shaped trophozoites with falling leaf like motility. The most likely etiological agent is

- a. Cyclospora
- b. Cryptosporidium
- c. Cystosostpora
- d. Giardia

6) A 20 year old male presents with complaints of fever, splenomegaly, hepatomegaly and weight loss. Blood test reveals pancytopenia and examination of bone marrow aspirate by Giernia stain reveals amastigote forms inside macrophages. The most likely etiological agent is

- a. Leishmania donovani
- b. Trypanosoma brucei
- c. Trypanosome cruzi
- d. Babesia microti

7) Trdole is not produced by

- p. *Escherichia coli*
- p. *Proteus mirabilis*
- c. *Proteus vulgaris*
- d. *Vibrio cholerae*

8) A 30 year old female presents with pain in right hypochondrium. Ultrasound examination revealed a single space occupying cystic lesion in the right lobe of the liver. The cyst was removed surgically. Histological examination of the cyst wall showed brood capsules. The most likely etiological agent is

- a. *Entamoeba histolytica*
- p. *Echinococcus granulosus*
- c. *Fasciola hepatica*
- d. *Clonorchis sinensis*

9) ABC incompatibility is a manifestation of

- a. Type I hypersensitivity reaction
- b. Type II hypersensitivity reaction
- c. Type III hypersensitivity reaction
- d. Type IV hypersensitivity reaction

10) Gas Plasma sterilization is done by

- a. Hydrogen peroxide
- b. Glutaraldehyde
- c. Formaldehyde
- d. Ethylene

11) Example of Gram positive bacilli arranged in Chinese letter or cuneiform pattern

- a. Actinomyces israelii
- b. Bacillus anthracis
- c. Nocardia asteroides
- d. Corynebacterium diphtheriae

12) Drug of choice for enteric fever is

- a. Ceftriaxone
- b. Ciprofloxacin
- c. Piperacillin
- d. Cotrimoxazole

13) Risk of HIV transmission is highest during

- a. Blood transfusion
- b. Needle stick injury
- c. Sexual intercourse
- d. Mother to child during breast feeding

14) Beta 2 microglobulin levels are elevated in

- a. Hepatoma
- b. Colon cancer
- c. Prostate cancer
- d. Multiple myeloma

15) A 12 year old boy presents with red sores on the back of neck. The lesions are painless and are not associated with fever. They are covered with thin,

papery honeycomb-like crusts on their surface. The most likely clinical diagnosis is

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

16) Mucosal immunity is mediated by

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

17) Oncogenic potential is not associated with

- a. Hepatitis D virus
- b. Hepatitis B virus
- c. Hepatitis A virus
- d. Hepatitis C virus

18) Bacillary dysentery is commonly caused by

- a. Escherichia coli
- b. Shigella flexneri
- c. Vibrio parahaemolyticus
- d. Campylobacter jejuni

19) Drug of choice in Methicillin Resistant Staphylococcus aureus [MRSA] infections is

- a. Vancomycin
- b. Penicillin G
- c. Cloxacillin
- d. Meropenem

20) Direct transfer of free DNA is seen in

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

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