

CBME**Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA - 520 008****MBBS DEGREE EXAMINATION - DECEMBER, 2022****SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY - PAPER-II (SET-B)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions.**

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

1) A 20 year old sexually active male presents with genital ulcers which are painful, multiple, tiny and vesicular in nature. He gives history of similar episodes in the past. The most likely etiological agent is

- a. Klebsiella granulomatis
- b. Chlamydia trachomatis
- c. Herpes simplex virus
- d. Haemophilus ducreyi

2) Endemic typhus is transmitted by

- a. Sand fly
- b. Rat flea
- c. Hard tick
- d. Soft tick

3) Drug of choice for chancroid is

- a. Penicillin
- b. Ciprofloxacin
- c. Ceftriaxone
- d. Azithromycin

4) Pigs act as amplifier hosts in one of the following arboviral infection

- a. Dengue
- b. Japanese encephalitis
- c. Yellow fever
- d. West Nile encephalitis

5) Most common manifestation of *Toxoplasma gondii* infection in immunocompetent adults is

- a. Cervical Lymphadenopathy
- b. Encephalitis
- c. Chorioretinitis
- d. Pneumonia

6) A 30 year old female presents with vaginal discharge with fishy odor. Clue cells were found on wet mount examination of the discharge. The most likely diagnosis is

- a. Vaginal candidiasis
- b. Trichomonal vaginitis
- c. Bacterial vaginosis
- d. Chancroid

7) Kaposi's sarcoma is associated with

- a. Epstein barr virus
- b. Cytomegalo virus
- c. Human herpes virus 8
- d. Human papilloma virus

8) A 25 year old male HIV positive patient presents with white hairy plaque like lesion on the tongue. The lesion could not be easily scraped. The most likely etiological agent is

- a. Cytomegalovirus
- b. Epstein-Barr virus
- c. Adeno virus
- d. Varicella zoster virus

9) The drug of choice in pasteurellosis is

- a. Penicillin G
- b. Ciprofloxacin
- c. Ceftriaxone
- d. Azithromycin

10) Epidemic myalgia or Pleurodynia is caused by

- a. Coxsackie virus
- b. Polio virus
- c. Dengue virus
- d. Echovirus

11) Acute suppurative otitis media is commonly caused by

- a. Staphylococcus aureus

- b. *Klebsiella pneumoniae*
- c. *Pseudomonas aeruginosa*
- d. *Streptococcus pneumoniae*

12) Q fever is caused by

- a. *Coxiella burnetii*
- b. *Legionella pneumophila*
- c. *Mycoplasma pneumoniae*
- d. *Chlamydiae pneumoniae*

13) Jerky motile trophozoites in wet mount examination of vaginal discharge are suggestive of infection with

- a. *Trichomonas vaginalis*
- b. *Mycoplasma hominis*
- c. *Gardnerella vaginalis*
- d. *Candida albicans*

14) A short and stout Gram negative bacillus with mucoid and lactose fermenting colonies on MacConkey agar was isolated from a patient presented with urinary tract infection. It was oxidase negative, catalase positive, indole production negative, methyl red reaction negative, Voges- Proskauer test positive, citrate utilization positive. The most likely pathogen is

- a. *Klebsiella pneumoniae*
- b. *Pseudomonas aeruginosa*
- c. *Proteus vulgaris*
- d. *Escherichia coli*

15) One of the following pathogen is associated with respiratory tract infections in patients suffering from cystic fibrosis

- a. Staphylococcus aureus
- b. Pseudomonas aeruginosa
- c. Acinetobacter baumannii
- d. Streptococcus pneumoniae

16) The drug of choice for zygomycosis is

- a. Cotrimoxazole
- b. Amphotericin B
- c. Itraconazole
- d. Flu cytosine

17) Postmortem diagnosis of Rabies is confirmed by detection of

- a. Negri bodies
- b. Guarnieri bodies
- c. Molluscum bodies
- d. Torres body

18) One of the following does not belong to Paramyxoviridae family

- a. Measles virus
- b. Mumps virus
- c. Rubella virus
- d. Nipah virus

19) Keratitis associated with the use of contact lenses is usually caused by

- a. Toxoplasma gondii

- b. Trypanosome cruzi
- c. Acanthamoeba species
- d. Onchocerca volvulus

20) CSF analysis reveals moderately elevated leukocyte count with predominant lymphocytes, decreased glucose levels and increased protein levels. CSF kept in a tube for 12 hours demonstrated cobweb like coagulum. The presentation most likely refers to

- a. Normal CSF analysis
- b. Pyogenic meningitis
- c. Viral meningitis
- d. Tuberculous meningitis
