

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**[MBBS 0822]****AUGUST 2022****Sub. Code :6066****M.B.B.S. DEGREE EXAMINATION****(For the candidates admitted from the Academic Year 2019-2020)****SECOND YEAR - SUPPLEMENTARY (CBME)****PAPER III – MICROBIOLOGY – II****Q.P. Code: 526066****Time: 30 Minutes****Maximum : 20 Marks****Answer All Questions**

Choose one correct answer in the box provided in the Answer Script. No overwriting should be done.

III. Multiple Choice Questions:**(20 x 1 = 20)**

1. All of the following rickettsiae belong to spotted fever group, except
a. R. rickettsii b. R. conorii c. R. typhi d. R. akari
2. Fever in Brucella infection is described as
a. Breakbone fever b. Step ladder fever c. Undulating fever d. Pontiac fever
3. During the window period of patient with AIDS, best diagnostic test is
a. ELISA b. Western Blot c. Rapid test d. RT-PCR
4. Which of the following mosquito transmits Chikungunya virus?
a. Anopheles b. Aedes c. Culex d. None of the above
5. Maltese cross form is seen in
a. Babesiosis b. Plasmodium ovale
c. Plasmodium vivax d. Plasmodium malariae
6. American trypanosomiasis (Chaga's disease) is caused by:
a. T. rangeli b. T. brucei gambiense
c. T. cruzi d. T. brucei rhodesiense
7. Candida species resistant to azoles is
a. C. albicans b. C. krusei c. C. tropicalis d. C. dubliniensis
8. Staphylococcus aureus enterotoxin, all are true except
a. Preformed toxin
b. Incubation period is short (1-6 hours)
c. The toxin stimulates the vagus nerve and the vomiting center of the brain
d. Treatment is mainly by early institution of antibiotics

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9. Traveller's diarrhea is caused by
 - a. Entero Toxigenic E.coli
 - b. Entero Haemorrhagic E.coli
 - c. Entero Pathogenic E.coli
 - d. Entero invasive E.coli
10. All are selective media for *V. cholerae*, except
 - a. Alkaline peptone water
 - b. Alkaline bile salt agar
 - c. TCBS agar
 - d. Monsur's agar (GTTA) medium
11. All of the following drugs are indicated in *Clostridium difficile* infection except
 - a. Oral vancomycin
 - b. Fidaxomicin
 - c. Oral metronidazole
 - d. IV vancomycin
12. Which of the following bears two nuclei named as macronucleus and micronucleus?
 - a. *Balantidium coli*
 - b. *Dientamoeba fragilis*
 - c. *Cystoisospora belli*
 - d. *Entamoeba*
13. All of the following intestinal nematodes are oviparous except
 - a. Roundworm
 - b. *Strongyloides*
 - c. Hookworm
 - d. *Enterobius*
14. Which of the following marker when positive indicate active viral replication and high infectivity of Hepatitis B virus
 - a. HBsAg
 - b. HBeAg
 - c. HBcAg
 - d. None of the above
15. Alveolar hydatid disease is caused by
 - a. *Echinococcus granulosus*
 - b. *Echinococcus vageli*
 - c. *Echinococcus oligarthus*
 - d. *Echinococcus multilocularis*
16. Diphtheria toxin is produced by all, except
 - a. *C. diphtheriae*
 - b. *C. ulcerans*
 - c. *C. pseudotuberculosis*
 - d. *C. xerosis*
17. Wool Sorter's disease is caused by
 - a. *Bacillus anthracis*
 - b. *Staphylococcus aureus*
 - c. *Yersinia pestis*
 - d. *Rhodococcus equi*
18. Extensive drug resistant tuberculosis (XDR-TB) is due to *M. tuberculosis* strains which are resistant to
 - a. Any fluoroquinolone
 - b. Isoniazid and Rifampicin
 - c. Atleast one of the three injectable second line drugs (capreomycin, kanamycin and amikacin)
 - d. All of the above
19. All of the following parasites can cause encephalitis except
 - a. *Acanthamoeba*
 - b. *Entamoeba histolytica*
 - c. *Toxoplasma gondii*
 - d. *Naegleria*
20. The most commonly used method for isolation of Chlamydia
 - a. Culture on artificial media
 - b. Culture on Vero cell line
 - c. Inoculation into guinea pig
 - d. Culture on McCoy cell line
