

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY****[MBBS 0822]****AUGUST 2022****Sub. Code :6065****M.B.B.S. DEGREE EXAMINATION****(For the candidates admitted from the Academic Year 2019-2020)****SECOND YEAR- SUPPLEMENTARY (CBME)****PAPER III – MICROBIOLOGY – I****Q.P. Code: 526065****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. The following scientist was awarded Nobel prize for Polymerase chain Reaction technique  
a) Karry B Mullis    b) Barbara Mc Clintock    c) Ernst Ruska    d) Robert Koch
2. Testing methods of Antimicrobial sensitivity for bacteria are the following except  
a) Disk diffusion method    b) Broth dilution method  
c) Chemical method    d) Molecular method
3. Example for Thermophilic bacteria (55<sup>0</sup>C-80<sup>0</sup>C)  
a) Escherichia coli    b) Pseudomonas aeruginosa  
c) Geobacillus stearothermophilus    d) Clostridium species
4. In VITEK 2 automated system, Anti microbial Susceptibility Test can be performed for  
a) Bacteria    b) Yeast    c) a&b    d) Parasite
5. Which of the following is correct statement regarding the shape of the virus  
a) Rota virus- wheel shape    b) Tobacco mosaic virus- Filamentous shape  
c) Ebola virus- Rod shape    d) Adeno virus- Brick shape
6. All of the following diseases are transmitted by droplet particles except  
a) Mycoplasma pneumoniae    b) Rubella  
c) Hemophilus influenza    d) Chlamydia trachomatis
7. The number of amino acids in variable region of Antibody is  
a) 110    b) 50    c) 200    d) 170
8. Hereditary angioneurotic edema is due to the deficiency of  
a) Complement C1&C2    b) Complement C5-C9  
c) C1 esterase inhibitor    d) Properdin

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9. Mature Helper T cells is  
a)  $CD4^+ CD8^+$       b)  $CD4^+ CD8^+$       c)  $CD4^+ CD^-$       d)  $CD4^+ CD8^-$
10. The Mcfarland standard of 0.5 is equalent to  
a)  $1.5 \times 10^5$  CFU/ml of bacteria      b)  $1.25 \times 10^7$  CFU /ml of bacteria  
c)  $1.5 \times 10^3$  CFU /ml of bacteria      d)  $1.5 \times 10^8$  CFU /ml of bacteria
11. In Transplantation, Acute Graft Rejection occur with in  
a) Minutes to hours      b) Days to week  
c) After 1 month      d) None of the above
12. Sterilization control for Ethylene Oxide (ETO) Sterlizer  
a) *Geobacillus stearothermophilus*      b) *Bacillus stearothermophilus*  
c) *Brevundimonas diminuta*      d) *Bacillus atrophaeus*
13. Majocchi granuloma is produced by  
a) *Tinea versicolor*      b) *Tinea capitis*      c) *Candida albicans*      d) *Fusarium*
14. Nagler's reaction in *Clostridium perfringens* infection is to demonstrate  
a) Alpha toxin      b) Beta toxin      c) Gamma toxin      d) Neuraminidase
15. Guinea worm disease is caused by  
a) *Schistosoma haematobium*      b) *Ancylostoma duodenale*  
c) *Trichinella spiralis*      d) *Dracunculus medinensis*
16. River blindness is caused by  
a) *Taenia solium*      b) *Onchocerca volvulus*  
c) *Loa Loa*      d) *Toxocara canis*
17. Owl's eye inclusions are seen in the following viral infection  
a) Measles      b) Rubella      c) Herpes simplex      d) Cytomegalo virus
18. Non immune Hydrops fetalis is caused by  
a) Cytomegalo virus      b) Parvo virus  
c) Congenital syphilis      d) Zika virus
19. The culture media used for the isolation of *Leishmania* is  
a) Non nutrient Agar      b) Novy-MacNeal-Nicolle  
c) Diamonds Medium      d) Boeck and drbohlav egg serum medium
20. Vaccines can be prepared from  
a) Exotoxin      b) Endotoxin      c) Both a&b      d) Cytotoxin.

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