

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY****[MBBS 0223]****FEBRUARY 2023****Sub. Code :6065****M.B.B.S. DEGREE EXAMINATION****(For the candidates admitted from the Academic Year 2019-2020)****SECOND YEAR – (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. Choice should be given in Capital Letters.**

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

1. Who discovered the acid fast nature of tubercle bacilli  
A) Robert Koch    B) Edward Jenner    C) Joseph Lister    D) Paul Ehrlich
2. The Endotoxic activity of Gram Negative Bacteria is due to  
A) Lipid A    B) O side chain    C) Core polysaccharide    D) Teichoic acid
3. Example for obligate aerobes  
A) Pseudomonas aeruginosa    B) Staphylococcus aureus  
C) Lactobacillus    D) Helicobacter pylori
4. 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
5. Endemic syphilis is caused by  
A) Treponema pallidum    B) Treponema endemicum  
C) Treponema carateum    D) Treponema pertenue
6. Epidemiological indicator for the infectious disease are the following except  
A) Vector indicator    B) Morbidity indicator  
C) Mortality indicator    D) Overall attack rate
7. For potent immunogen, the molecular weight of the antigen must be  
A) >100 dalton    B) >500 dalton    C) > 1000 dalton    D) >10,000 dalton
8. The First step in alternative pathway of complement start from  
A) C1    B) C2    C) C3    D) C4
9. The T cell rich area in spleen is  
A) Periarterial lymphoid sheath (PALS)    B) Red Pulp  
C) Marginal zone    D) Germinal centre

... 2 ...

10. Arthus Reaction is due to  
A) Immune complex formation                      B) Complement Deficiency  
C) Antibody dependent cellular cytotoxicity      D) Auto antibody mediated
11. Nezelof Syndrome is due to the deficiency of  
A) T Cells                      B) B Cells      C) Combined T and B cells      D) Phagocytosis
12. Early onset Ventilator Associated Pneumonia occurs  
A) 2 days after mechanical ventilation      B) 4 days after mechanical ventilation  
C) one week after mechanical ventilation      D) > 1 week after mechanical ventilation
13. Post Exposure Prophylaxis is not needed for Needle Stick Injury in the following cases except  
A) Source unknown, if HIV prevalence is low  
B) If exposure with Exposure code-1 and HIV status code-1  
C) Exposure with Intact skin  
D) Splashes to mucus membrane for 10 minutes
14. Flesh eating bacteria  
A) Staphylococcus aureus                      B) Clostridium perfringens  
C) Group A streptococcus                      D) Bacteroids
15. Diffuse cutaneous leishmaniasis (DCL) is caused by  
A) Leishmania donovani                      B) Leishmania tropica  
C) Leishmania braziliensis                      D) Leishmania aethiopica
16. Microconidia is abundant in the following dermatophytes  
A) Trichophyton      B) Microspores      C) Epidermophyton      D) all of the above
17. Otitis Externa Hemorrhagica is caused by  
A) Bacteria                      B) Virus                      C) Parasites                      D) Fungus
18. The following microorganism are associated with malignancy except  
A) Fasciola buski                      B) Helicobacter pylori  
C) Aspergillus flavus                      D) Schistosoma haematobium
19. The following viruses causes zoonotic infection except  
A) Japanese encephalitis                      B) Yellow fever  
C) Chikungunya                      D) Hepatitis B virus
20. Congenital Toxoplasmosis is common (about 65%) in the following trimester of pregnancy  
A) First Trimester                      B) Second Trimester  
C) Third Trimester                      D) All of the above

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