

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**[MBBS 0723]****JULY 2023****Sub. Code :6065****M.B.B.S. DEGREE EXAMINATION****(For the candidates admitted from the Academic Year 2019-2020)****SECOND YEAR - (CBME)****PAPER V – 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. Which is used in digestion and decontamination of sputum in smear preparation
A) NaOH B) KOH C) NaCl D) N-acetyl-cysteine
2. The process of destroying all microbes including spores is called
A) Disinfection B) Antisepsis C) Disinfestation D) Sterilization
3. All are true about bacteriophage except
A) Can transmit toxin to bacteria
B) Bacteria which transmits DNA to another bacteria
C) Causes transformation of bacteria
D) Is a virus which invades bacteria
4. Jumping genes is
A) Transposon B) Episome C) Cosmid D) Plasmid
5. Toxic shock syndrome is due to
A) Septic abortion B) Forgotten tampons
C) IUCD D) Pelvic examination
6. The commonest organism causing cellulitis is
A) Streptococcus pyogenes B) Streptococcus faecalis
C) Streptococcus viridans D) Treponema pallidum
7. Boxcar appearance is seen in
A) Clostridium perfringens B) Streptococci
C) Toxoplasma D) Treponema pallidum
8. Which of the following is the most predominant constituent of sulphur granules of Actinomycosis
A) Organisms B) Neutrophils and monocytes
C) Monocytes and lymphocytes D) Eosinophil
9. A person 6 hour after consuming rice pudding in restaurant develops vomiting.
True statement regarding food poisoning

A) Caused by Staphylococcus aureus B) Preformed toxin
C) Caused by Vibrio parahaemolyticus D) Heat labile toxin

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10. The causative agent of Favus is
A) Microsporum audonii B) Microsporum canis
C) Trichophyton mentagrophyte D) Trichophyton schoenleinii
11. Which complement component is involved in both classical and alternate pathway?
A) C₁ B) C₂ c) C₃ d) All
12. DiGeorge syndrome is characterized by all except
A) Congenital thymic hypoplasia
B) Abnormal development of third and fourth pouches
C) Hypothyroidism
D) Hypocalcemic tetany
13. Which is not a heterophile agglutination test?
A) Weil-Felix test B) Widal test C) Paul-Bunnell test D) Streptococcus MG
14. Disorders of Phagocytosis are all, except
A) Job's syndrome B) Chediak-Higashi syndrome
C) Myeloperoxidase deficiency D) Wiskott-Aldrich syndrome
15. A male patient presented with granulomatous penile ulcer. On Wright Geimsa stain tiny organisms of 2 microns within macrophages seen. What is the causative organisms?
A) LGV B) Calymmatobacterium granulomatis
C) Neisseria D) Staphylococcus aureus
16. A patient with history of discharge from right ear for past 1 year presented with severe ear ache. The discharge was cultured and the organism was found to be gram positive cocci. The least likely cause is
A) Pseudomonas B) Streptococcus pneumonia
C) Staphylococcus D) Haemophilus influenza
17. With reference to antibiotic resistance, all the following statements are true except
A) The most common mechanism is production of neutralizing enzymes by bacteria
B) Plasmid mediated resistance is exclusively transferred vertically
C) Complete elimination of target is the mechanism by which enterococci develop resistance to vancomycin
D) Alteration of target lesions leads to development of resistance in pneumococci
18. Real time PCR is used for
A) Multiplication of RNA B) Multiplication of specific segment of DNA
C) Multiplication of Proteins D) To know how much amplification of DNA has occurred
19. Swarming growth on culture is characteristic of which Gram-negative organism
A) Clostridium Welchii B) Clostridium tetani
C) Bacillus cereus D) Proteus mirabilis
20. True about Madura foot?
A) Can erode bones B) Spread to lymph nodes
C) Most commonly occur in hand D) Antibiotic has no role.
