

[MBBS 0725]

JULY 2025

Sub. Code :6065

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – (CBME)
PAPER I – MICROBIOLOGY

*Q.P. Code: 526065***Time: 20 Minutes****Maximum : 20 Marks****Answer All Questions****Shade the correct answer with Black or Blue ink ball point pen****SET - A****III. Multiple Choice Questions:****(20 x 1 = 20)**

1. Who has postulated Germ theory of disease?
A) Paul Ehrlich
B) Joseph Lister
C) Edward Jenner
D) Louis Pasteur
2. Which microscope is used to detect the microbial internal Cellular Components?
A) Dark field microscope
B) Bright field microscope
C) Phase contrast microscope
D) Fluorescence microscope
3. The following characters are present in Gram positive bacteria except
A) Peptidoglycan layer
B) Lipopolysaccharides
C) Pentaglycine bridge
D) Teichoic acid
4. Agar concentration required to Prepare Nutrient Agar plate
A) 0.2%
B) 0.25%
C) 2.0%
D) 0.5%
5. F Factor carrying chromosomal DNA is called as
A) F Factor
B) F+
C) F' factor
D) RTF
6. Heart lung machines are best disinfected by
A) ETO
B) Isopropyl alcohol
C) Formalin
D) Dettol
7. Which of the following statement is true about Hapten
A) Induces immune response
B) No association with MHC
C) Needs carrier to induce immune response
D) It is a T independent antigen
8. Best example of Isograft is
A) Between monozygotic twins
B) Between two sites of same person
C) Between dizygotic twins
D) Between two members of same species
9. All are true about Yersinia pestis except
A) Grow In blood agar
B) NLF colonies seen in MAC agar
C) Gram stain reveals pleomorphism
D) Motile at 25degree celcius and non motile at 37 degree celcius

10. Following are examples of intrinsic antimicrobial resistance except
- A) Gram positive bacteria – Polymyxins
 - B) Pseudomonas aeruginosa – Ampicillin
 - C) Salmonella species- fluoroquinolones
 - D) Acinetobacter baumannii-Aztreonam
11. Surgical site infections are defined as infections that develop at the surgical site within how many days of surgery?
- A) 5 days
 - B) 10 days
 - C) 30 days
 - D) None of the above
12. All of the following are true regarding Staphylococcus except
- A) It is Gram positive cocci arranged in clusters
 - B) Coagulase test is Negative
 - C) It can cause food poisoning
 - D) MRSA is mediated by mec A gene
13. Which of the following is/are non-suppurative complication/s of Streptococcus pyogenes
- A) Acute Rheumatic fever
 - B) Post Streptococcal glomerulonephritis
 - C) Reactive arthritis
 - D) All of the above
14. True statement about Clostridium perfringens
- A) It is the most common cause of gas gangrene
 - B) It bears spherical and terminal spores
 - C) It is a gram negative bacilli
 - D) Reverse CAMP test is Negative
15. Tzanck cells are seen in which of the following viral infection?
- A) Mumps
 - B) Herpes simplex virus
 - C) Measles
 - D) Rubella
16. All of the following statements are true regarding Measles except
- A) Koplik's spots are pathognomonic of measles
 - B) Rashes appear first behind the ears
 - C) Transmitted by skin contact
 - D) Subacute sclerosing panencephalitis is the important CNS complication
17. Dermatophytoses is the most common superficial mycoses caused by
- A) Trichophyton
 - B) Microsporum
 - C) Epidermophyton
 - D) All of the above
18. Which of the following infection is associated with the use of contact lenses?
- A) Ocular Toxoplasmosis
 - B) Ocular Onchocerciasis
 - C) Acanthamoeba Keratitis
 - D) Ocular larva migrans
19. The following are oncogenic DNA viruses except
- A) Human papilloma virus
 - B) Epstein barr virus
 - C) Hepatitis B virus
 - D) Adeno virus
20. Yaws is caused by
- A) Treponema carateum
 - B) Treponema pertenue
 - C) Treponema endemicum
 - D) None of the above.