

**Q.P. CODE:MB2019116**  
**KALOJI NARAYANA RAO UNIVERSITY OF**  
**HEALTH SCIENCES**  
**WARANGAL, TELANGANA STATE - 506 002**  
**MBBS SECOND YEAR DEGREE**  
**SUPPLEMENTARY EXAMINATIONS: JULY,**  
**2024**  
**MICROBIOLOGY**  
**PAPER-II**  
**(NEW SCHEME)**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

**Multiple Choice Questions: 10 X 1=10**

1. A zoonotic disease is an infection that is naturally transmissible from

- a) Arthropod vector to man
- c) Rodent to man
- b) Man to animal
- d) Vertebrate animal to man

2. The following are the clinical of Human Plague EXCEPT

- a) Algid Plague
  - c) Pneumonic Plague
  - ~~b) Bubonic Plague~~
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## d) Septicaemia Plague

3. Which of the following diseases has been eradicated worldwide?
- a) Polio
  - c) Smallpox
  - b) Chickenpox
  - d) Measles
4. As the bacterial load in CSF may be very low, to increase the sensitivity following method should be adopted:
- a) Several drops of CSF should be placed at the same spot on the slide
  - b) CSF should be spread on the whole slide
  - c) CSF should be widely spread
  - d) CSF should be passed over the flame to dry
5. Which one of the following is a true yeast?
- a) Candida albicans
  - c) Histoplasma
  - b) Cryptococcus neoformans
  - d) Candida tropicalis
6. Tissue should be segregated in which colour bag?
- a) Yellow
  - c) Red
  - b) Blue
  - d) Black
7. Id reaction is the type of hypersensitivity seen with the following fungal infection: \_\_\_\_\_

- a) Dermatophyte
  - c) Nocardia
  - b) Fusarium
  - d) Pityriasis versicolor
8. The most common cause for bacterial septic arthritis is
- a) Neisseria meningitidis
  - c) Mycobacterium tuberculosis
  - b) Staphylococcus aureus
  - d) Brucella melitensis
9. Pseudomembrane formation in throat is produced in which of the following condition
- a) Corynebacterium diphtheriae
  - b) Streptococcus pyogenes
10. Select the correct statement about antigenic drift in influenza viruses
- a) It occurs frequently than antigenic shift
  - c) It is exhibited by only Influenza A virus
  - b) It results in major antigenic changes
  - d) It is due to frame shift mutations in viral genes

**Essay/ Long Answer Questions: 2 X 15=30**

11. Name the fungi causing Opportunistic Infections. Discuss in detail pathogenesis and laboratory diagnosis of Aspergillus Infection. (3+4+8)
12. Enumerate Bacteria causing Meningitis. Discuss in detail its laboratory diagnosis. (5+10)

**Short Answer Questions: 7 X 6=42**

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13. Bacteria causing UTI and laboratory diagnosis.
14. Eumycetoma.
15. Laboratory diagnosis of Pulmonary Tuberculosis.
16. Biomedical waste management.
17. Prophylaxis of Rabies.
18. Herpes simplex Virus.
19. Laboratory diagnosis of Syphilis.

**Very Short Answer Questions: 6 X 3=18**

20. Bacterial vaginosis.
21. Covid 19 vaccine.
22. MRSA.
23. Name three Zoonotic diseases and the organisms causing it.
24. Laboratory diagnosis of Neonatal HIV.
25. Name six organisms causing infection of Burn Wounds.

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