

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
MBBS SECOND YEAR DEGREE EXAMINATIONS: JANUARY, 2025**

MICROBIOLOGY

PAPER – II

Time: 3 Hours Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions: 10 × 1 = 10

- 1) Following are zoonotic viral infections EXCEPT
 - a) Rabies
 - b) Kyasanur Forest disease
 - c) Hepatitis B
 - d) Ebola
- 2) Yersinia pestis shows 'safety pin' appearance when stained with
 - a) GMS stain
 - b) Methylene blue stain
 - c) Gram stain
 - d) ZN stain
- 3) Which of the following microorganisms causes scarlet fever?
 - a) Pseudomonas aeruginosa
 - b) Enterococcus faecalis
 - c) Streptococcus pyogenes
 - d) Staphylococcus aureus
- 4) For how long should one wash their hands when using soap and water?
 - a) Under 10 seconds
 - b) At least 20 seconds
 - c) 60–40 seconds
 - d) It doesn't matter as long as your hands appear clean
- 5) The most infective stage in Syphilis is
 - a) Secondary stage
 - b) Primary stage
 - c) Tertiary stage
 - d) All of the above
- 6) Which of the following viral infections leads to Subacute sclerosing panencephalitis?
 - a) Measles
 - b) Mumps
 - c) Rubella
 - d) Influenza
- 7) Wool sorter's disease is caused by

- a) *Bacillus subtilis*
 - b) *Bacillus anthracis*
 - c) *Bacillus cereus*
 - d) *Bacillus licheniformis*
- 8) Tinea unguium is the infection of the nail caused by
- a) Zygomycetes
 - b) Dermatophytes
 - c) *Fusarium*
 - d) *Aspergillus*
- 9) Which of the following bacteria is not associated with urinary tract infections?
- a) *Escherichia coli*
 - b) *Proteus* spp
 - c) *Shigella* spp
 - d) *Klebsiella* spp
- 10) Chemoprophylaxis for influenza is recommended for all the following situations, except
- a) During outbreak situations in hospital
 - b) Routine seasonal pre-exposure prophylaxis
 - c) Following exposure to an influenza case if not vaccinated
 - d) Following exposure to an influenza case if the individual is HIV infected

Essay / Long Answer Questions: $2 \times 15 = 30$

11. Enumerate organisms causing Sexually Transmitted Diseases. Discuss laboratory diagnosis of Syphilis. Write a brief note on its prevention.
12. Classify Herpes group of Viruses. Discuss briefly various clinical manifestations of Herpes Simplex Virus and its laboratory diagnosis.

Short Answer Questions: $7 \times 6 = 42$

13. Laboratory diagnosis of Bacterial Meningitis.
14. Urinary Tract Infection.
15. Vaginal candidiasis.
16. Laboratory diagnosis of Diphtheria.
17. Free living Amoebae.
18. Eumycetoma.
19. Pathogenesis of Poliovirus Infection.

Very Short Answer Questions: $6 \times 3 = 18$

20. Multidrug Resistant Tuberculosis (MDR-TB).

21. Nipah Virus.
22. Name three Bacteria causing Zoonotic Diseases.
23. Draw a neat labelled diagram of *Trichomonas vaginalis*.
24. Name three organisms causing Osteomyelitis.
25. Colour coding for disposal of Biomedical Waste.

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