

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
BHMS SECOND PROFESSIONAL SUPPLEMENTARY DEGREE EXAMINATIONS:
JANUARY, 2026

PATHOLOGY AND MICROBIOLOGY
PAPER-II
(MICROBIOLOGY AND PARASITOLOGY)

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary with Black Ball point pen/ HB

Pencil / any dark colour Pencil.

Write ALL of the following Multiple Choice Questions:

10 X 1 = 10

1. Definitive host in the life cycle of *Echinococcus granulosus* is
 - a) Dog
 - b) Pig
 - c) Horse
 - d) Man
2. Non-parenteral hepatitis is
 - a) Hepatitis A
 - b) Hepatitis B
 - c) Hepatitis C
 - d) Hepatitis D
3. Black water fever is associated with infection by
 - a) *Plasmodium falciparum*
 - b) *Plasmodium vivax*
 - c) *Plasmodium malariae*
 - d) *Plasmodium ovale*
4. In the life cycle of *Plasmodium vivax*, gametogony occurs in
 - a) RBC of human
 - b) Liver of human
 - c) Spleen of human
 - d) Inside mosquito
5. Most common route of spread of Hepatitis E is
 - a) Sexual
 - b) Feco-oral
 - c) Blood transfusion
 - d) IV injections intercourse
6. Dermatophytes are fungi infecting
 - a) Subcutaneous tissue
 - b) Systemic organs
 - c) Nails, hair and skin
 - d) Superficial skin and deep tissue
7. Fungi without sexual cycle are classified as
 - a) Phycomycetes
 - b) Fungi imperfecti
 - c) Ascomycetes
 - d) Basidiomycetes
8. Bacteriophages means
 - a) Virus that infect bacteria
 - b) DNA virus
 - c) Gram – positive bacteria
 - d) RNA virus
9. In autoclave, the principle involved is:
 - a) Dry heat
 - b) Moist heat
 - c) Steam under pressure
 - d) Moist heat and steam under pressure
10. Streptococci belong to
 - a) Gram negative cocci
 - b) Gram-positive cocci
 - c) Both a and b
 - d) None

Write a short essay on the following:

8 X 5 = 40

11. Giardia Lambila.
12. Kala-azar.
13. Rhabdovirus.
14. Neisseria
15. Mycobacterium tuberculosis.
16. Sterilization by dry heat.
17. Food poisoning.
- 18.. AIDS.

Write an essay on the following:

5 X 10 = 50

19. Morphology antigens, pathogenicity, clinical features and lab diagnosis of AIDS.
20. Write in detail about Salmonella typhi.
21. Describe the virulence factor of staphylococcus aureus and their mechanism of action.
22. Describe the life cycle of Ascaris Lumbricodes.
23. Explain in brief the life cycle of Echinococcus granulosus.
