

PAPER CODE: 1192

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002**

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

MICROBIOLOGY

PAPER-III

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Enumerate the Zoonotic viral infections. Discuss in detail the morphology, pathogenesis, laboratory diagnosis and prophylaxis of Rabies.
2. Discuss the laboratory diagnosis of swine flu. Add a note on pandemic preparedness program. Write about flu vaccine.
3. Enumerate blood borne viral infections. Discuss the pathogenesis and laboratory diagnosis of Hepatitis B virus. Write a note on Hepatitis B vaccine.
4. Discuss the pathogenesis and laboratory diagnosis of extra intestinal Amoebiasis .
5. Enumerate Haemoparasites. Discuss the life cycle, clinical features laboratory methods for diagnosis of Malaria.
6. Describe unique features of strongyloides stercoralis infection in man. Discuss life cycle and diagnosis of strongyloides.
7. Discuss the methods of concentration of parasites from stool.
8. Enumerate Dimorphic fungi. Describe the morphology, pathogenesis and laboratory diagnosis of Histoplasma capsulatum .
9. List the agents causing superficial fungal infections. Discuss the pathogenesis, clinical manifestation and laboratory diagnosis of Dermatophytosis.
10. Discuss the agents causing Entomophthoromycoses. Discuss the pathogenesis, laboratory diagnosis and treatment of Entomophthoromycoses. Write a note on the clinical difference between Entomophthoromycoses and Mucormycosis.
