

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA  
M.D. DEGREE EXAMINATION – **APRIL, 2019**

**MICROBIOLOGY**

Paper-IV : Applied Microbiology and Recent Advances

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Passive immunization – principles and uses with examples
- 2) Biomedical waste management
- 3) Application of immunofluorescence assays in diagnosis of infectious diseases
- 4) The Revised National Tuberculosis Control Program (RNTCP) of India with special reference to MDR-TB and XDR-TB
- 5) Legionellosis
- 6) Role of microscopy in diagnosis of fungal infections
- 7) Universal precautions against blood borne viral infections
- 8) Antiviral agents
- 9) Specimen collection and laboratory diagnostic methods for intestinal helminthic infections
- 10) Laboratory diagnosis of Toxoplasmosis

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**Q.P.CODE:139-NR**