

135-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

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) Write an essay on MDR superbugs
- 2) Investigation of a case of Ventilator associated pneumonia (VAP) in ICU.
- 3) Give an account of : Surveillance of Nosocomial pathogens and formulation of antibiotic policy
- 4) Role of MALDI-TOF in diagnostic Microbiology
- 5) Automated drug susceptibility methods in clinical Microbiology
- 6) Give an account of Line probe methods and its role in Diagnostic Microbiology
- 7) Role of Experimental animals with special reference to mice in diagnostic Microbiology
- 8) Recombinant DNA technology and its use in Molecular Microbiology
- 9) Give an account of recent Rapid diagnostic methods in Arboviral infection detection
- 10) Discuss the Recent Advances in the Development of Malaria Vaccines

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