

132-NR

*Dr. NTR University of Health Sciences::Vijayawada-520 008*

M.D. DEGREE EXAMINATION – NOVEMBER, 2016

**MICROBIOLOGY**

Paper-I: General Microbiology and Immunology

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. Role of ANA (antinuclear antibodies) in the diagnosis of auto immune disorders
2. Methods of HLA typing and their uses
3. Enumerate the different classes of antibiotics and their mechanism of action
4. Role of Procalcitonin and C-reactive protein as sepsis markers
5. Methods to assess cell mediated immunity
6. MALDI - TOF - Matrix assisted laser desorption / Ionization -Time of flight
7. Intrinsic antibiotic resistance in bacteria
8. Disinfectants used in a tertiary care hospital
9. Principle of desensitization with examples
10. Merits and demerits of Plasma Sterilization

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