

135-NR

M.D. DEGREE EXAMINATION – APRIL, 2013

MICROBIOLOGY

Paper-IV : Applied Microbiology and Recent Advances

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Give an account of vaccines against rabies virus
2. Discuss automation in microbiology
3. Give an account of food – borne parasitic diseases
4. Discuss molecular methods in diagnosis of protozoal infections
5. Discuss the agents of bioterrorism.
6. Discuss the epidemiology and laboratory diagnosis of measles, mumps and rubella in India. Add a note on preventive strategy of the condition.
7. Discuss vancomycin intermediate resistant *Staphylococcus aureus* (VISA) in detail.
8. List the agents of meningitis and discuss the laboratory diagnosis of the disease.
9. Give an account of tuberculosis in HIV. Add a note on revised DOT programme
10. Discuss recombinant antigens and their use in diagnostic microbiology

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