

134-NR

M.D. DEGREE EXAMINATION – APRIL, 2014

MICROBIOLOGY

Paper-III : Virology, Mycology and Parasitology

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) Enumerate coccidian parasites frequently isolated from stool samples of immunocompromised patients and discuss their rapid identification methods.
- 2) Discuss Japanese B encephalitis in India and its diagnostic methods.
- 3) Classify enteroviruses. Briefly discuss the laboratory methods for identification of enteroviruses.
- 4) Discuss opportunistic fungal infections in immunocompromised patients and outline their laboratory diagnostic methods.
- 5) Outline molecular methods in detection of RNA viruses causing lower respiratory tract infections.
- 6) Briefly describe the general laboratory methods in detection of parasitic infections. Outline concentration techniques.
- 7) Classify dimorphic fungi. Describe briefly their laboratory diagnostic methods.
- 8) Briefly describe viral quantification methods.
- 9) Describe the mechanism of action of various antiviral drugs.
- 10) Describe the cultural and microscopic characteristics of dermatophytes.

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