

133-NR

M.D. DEGREE EXAMINATION – APRIL, 2013

MICROBIOLOGY

Paper-II : Systemic Bacteriology

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. Escherichia coli causing diarrheal disease
2. Pathogenesis and diagnosis of cholera. Add a note on vaccine trial against cholera.
3. Epidemiology of Borrelia infections in India. Add a note on recent methods of laboratory diagnosis for the condition.
4. Morphology, cultural and epidemiological features of Pseudomonas aeruginosa. Add a note on the role of bacteria in hospital infection.
5. Pathogenesis and diagnosis of infections caused by Haemophilus influenzae. Add a note on vaccines against the condition.
6. Epidemiology and microbiology of oxygenic Corynebacterium diphtheriae. Discuss the reasons for detection of cases of diphtheria now in the community.
7. Pathogenesis of plague. Add a note on resurgence of plague in India.
8. Laboratory diagnosis of typhoid fever.
9. Pathogenesis and clinical manifestations of Streptococcus pyogenes infection. Add a note on laboratory diagnosis.
10. Pathogenesis and laboratory diagnosis of gonorrhoea. Add a note on recent methods.

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