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Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. (M.L.T) Degree Examination – Aug 2013

Time: Three Hours

Max. Marks: 80 Marks

MICROBIOLOGY – II (RS - 2)

Q.P. CODE: 1232

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify Cestodes. Give a detailed account of the morphological forms, life cycle, pathogenicity, clinical manifestations and laboratory diagnosis of *Echinococcus granulosus*
2. Classify fungal infections. Discuss in detail about dermatophytes
3. Enumerate the viruses causing hepatitis. Describe in detail the antigenic markers, clinical features, lab diagnosis and prophylaxis of hepatitis B virus infection

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Histoplasmosis
5. *Giardia lamblia*
6. Cysticercosis
7. Extra intestinal amoebiasis
8. Life cycle of *Ancylostoma duodenale*
9. Interferon
10. Herpes simplex virus
11. Antigenic shift and antigenic drift

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Potassium hydroxide mount
13. Mycotoxins
14. Leishman – Donovan bodies
15. Gametocytes of *Plasmodium falciparum*
16. Life cycle of *Schistosoma haematobium*
17. Eggs of *Ascaris lumbricoides*
18. National Institute of Health Swab
19. *Brugia malayi*
20. Coxsackievirus
21. Haemadsorption
22. Laboratory diagnosis of rabies in animals
23. Name any three opportunistic infections seen in AIDS
