

March 2009

[KU 119]

Sub. Code: 2016

M.D. DEGREE EXAMINATION

Branch IV – MICROBIOLOGY

(Common to all candidates)

Paper III – VIROLOGY AND PARASITOLOGY

Q.P. Code : 202016

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. List the protozoan parasites causing diarrhea. Describe the laboratory diagnostic methods to identify them.
2. Give a detailed account of persistent viral infections of CNS.

II. Write short notes on :

(10 x 6 = 60)

1. Haemorrhagic fever.
2. Pulse polio programme.
3. Hepatitis E virus.
4. Drug resistant malaria.
5. Primary amoebic meningoencephalitis.
6. Angiostrongyliasis.
7. Zoonotic filarial diseases.
8. TORCH complex.
9. HIV surveillance programme.
10. Sparganosis.

September 2009

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Answer ALL questions.

I. Essay questions : (2 x 20 = 40)

1. Write in detail the structure, pathogenesis, laboratory diagnosis and prevention of rabies virus infection.
2. Name the parasites associated with HIV related diarrhea. Write in detail the life-cycle, laboratory diagnosis and treatment of cryptosporidiosis.

II. Write short notes on : (10 x 6 = 60)

1. Babesia microti
2. Defective viruses
3. Cysticercosis
4. Cercaria
5. Microfilaria
6. HIV vaccine
7. Molluscum contagiosum
8. Congenital rubella syndrome
9. Viral hemorrhagic fever
10. Cyclops

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Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Enumerate the arboviral diseases prevalent in India. Discuss the epidemiology, pathogenesis and laboratory diagnosis of dengue haemorrhagic fever. Add a note on the control measures.
2. Discuss the immunology, pathogenesis and laboratory diagnosis of falciparum malaria. Add a note on malarial vaccines.

II. Write short notes on :

(10 x 6 = 60)

1. Laboratory diagnosis of leishmaniasis.
2. Larval cestode infections.
3. Coccidian parasites causing diarrhoea.
4. Slow viral diseases.
5. Avian influenza virus.
6. Live viral vaccines.
7. Human herpes viruses 6,7,8.
8. Interferons.
9. HIV vaccines.
10. Giardiasis.
