

March-1990

6044 - A

M.D. DEGREE EXAMINATION, MARCH 1990

Branch IV - Microbiology

Paper III - VIROLOGY AND PARASITOLOGY

Time : Three hours.

SECTION A

1. Discuss the role of amoebae as human pathogens and evaluate the different laboratory tests currently used for the diagnosis of chronic amoebiasis.
2. Give a brief account of Hepatitis viruses. Discuss the epidemiology and laboratory diagnosis of the one prevalent in India.

SECTION B

3. Write briefly on:
 - (a) Viruses as causes of congenital defects.
 - (b) Antiviral chemotherapy.
 - (c) Respiratory syncytial virus.
 - (d) Cysticercosis.
 - (e) Larvae of Trematodes.
 - (f) *Trichinella spiralis*.
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M.D. DEGREE EXAMINATION, MARCH 1990

Branch IV — Microbiology

VIROLOGY AND PARASITOLOGY

Time : Three hours

Answer ALL the questions.

1. Classify togaviridae. Discuss their medical importance with special reference to Japanese encephalitis in India.
 2. Describe opportunistic parasitic infestations in man and discuss their clinical importance and laboratory diagnosis.
 3. Write notes on :
 - (a) Viral myocarditis.
 - (b) Anti-viral agents.
 - (c) Visceral larva migrans.
 - (d) Antigenic variation of orthomyxo virus and their distinguishing features from paramyxo virus.
 - (e) Resurgence of malaria in India.
 - (f) Paragonimus westermani.
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October-1990

157

M.D. DEGREE EXAMINATION, OCTOBER 1990.

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours

Answer ALL questions.

1. Classify Herpes Viruses. Discuss the pathogenesis and laboratory diagnosis of Herpes simplex viruses.
 2. Give an account of tissue parasites. Discuss the pathogenesis and laboratory diagnosis of filariasis.
 3. Write notes on :
 - (a) Viral replication.
 - (b) Slow viruses.
 - (c) MMR vaccine.
 - (d) Sparganosis.
 - (e) Cryptosporidiosis.
 - (f) Toxoplasmosis.
-

March-1991

261

M.D. DEGREE EXAMINATION, MARCH 1991.

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours.

Answer ALL the questions.

1. Describe the characteristics, pathogenesis and laboratory diagnosis of Hepatitis Viruses.
 2. Give an account of the life cycle, pathogenesis and epidemiology of free living amoebae pathogenic to man.
 3. Write briefly on the following :
 - (a) Cysticercosis.
 - (b) Life cycle of *Paragonimus westermani*.
 - (c) Dengue Haemorrhagic Fever.
 - (d) Human Immunodeficiency Virus 2.
 - (e) Subacute sclerosing panencephalitis.
-

September-1991

261

M.D. DEGREE EXAMINATION, SEPTEMBER 1991

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Discuss the present situation of Kala-azar in India and describe its laboratory diagnosis. (25 marks)
 2. Discuss the role of viruses in gastroenteritis and their laboratory diagnosis. (25 marks)
 3. Write short notes on the following :
 - (a) Zymodemes
 - (b) Diagnosis of Hydatid disease
 - (c) Life cycle of *Wuchereria bancrofti* in mosquito
 - (d) Anti-rabies prophylaxis
 - (e) Parainfluenza virus' infections.(5 × 10 = 50 marks)
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M. D. DEGREE EXAMINATION, MARCH 1992.

Branch IV

VIROLOGY AND PARASITOLOGY

Time: Three hours.

Maximum: 100 marks.

Answer ALL the questions.

1. Classify Hepatitis viruses. Discuss about their pathogenesis, Laboratory diagnosis and prevention. (25 marks)
 2. Discuss briefly about Laboratory diagnostic methods in Parasitic diseases. (25 marks)
 3. Write notes on :
 - (a) Pneumocystis carinii
 - (b) Primary amoebic meningoencephalitis
 - (c) Antiviral substances used in human diseases
 - (d) Recent concept in Polio vaccine
 - (e) Viral haemorrhagic fevers
 - (f) Schistosoma japonicum. (5 × 10 = 50 marks)
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November-1993

[PR 361]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New Regulations)

VIROLOGY AND PARASITOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Describe the mosquito-borne viral diseases of man and discuss the pathogenesis of Dengue haemorrhagic fever. (25)
 2. Describe the life cycles of those helminths which have more than one intermediate host. (25)
 3. Write briefly on :
 - (a) Cryptosporidiosis.
 - (b) Haantan virus.
 - (c) Non-A Non-B hepatitis.
 - (d) Chicken pox vaccine.
 - (e) Interferons. (5 × 10 = 50)
-

April-1994

[VM 1061]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New Regulations)

VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the viruses that cause lower respiratory tract infections and their laboratory diagnosis. (25)
 2. Discuss the epidemiology and laboratory diagnosis of Kalaazar. (25)
 3. Write briefly on :
 - (a) Pneumocystis carini.
 - (b) Rapid methods of viral diagnosis.
 - (c) In vitro cultivation of parasites.
 - (d) Prevention of hook worm disease.
 - (e) Human papilloma viruses. (5 × 10 = 50)
-

April-1995

[SB :61]

M.D. DEGREE EXAMINATION.

Branch IV – Microbiology

(Old/New Regulations)

VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the life cycle of *Toxoplasma Gondii* and methods to study its prevalence in an area. (25)
 2. Describe the different types of replication among viruses with examples. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Purification of viral particles.
 - (b) Alpha interferon.
 - (c) Hanta virus.
 - (d) *Giardia lamblia*.
 - (e) Eosinophilic meningo encephalitis.
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[AK 120]

April-1996

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New/Revised Regulations)

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the aetiology, pathogenesis and laboratory diagnosis of human viral gastroenteritis. (25)
 2. Discuss the pathogenesis and laboratory diagnosis of Kala-Azar. (25)
 3. Write a short note on : (50)
 - (a) Hepatitis B vaccination.
 - (b) Human Parvovirus B19.
 - (c) Primary Amoebic Meningoencephalitis.
 - (d) Herpesvirus type 6.
 - (e) Larva migrans.
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October-1996

PK 120

M.D. DEGREE EXAMINATION
Branch IV - Microbiology
(Old/New Regulations)

Paper III - VIROLOGY AND PARASITOLCGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Give a brief account of Rabies virus.
Discuss the laboratory diagnosis and
immunization of rabies. (25)
2. Describe the Morphology, life cycle and
pathogenesis of Toxoplasma gondii. Add a
note on laboratory diagnosis of
Toxoplasmosis. (25)
3. Write briefly on:
 - (a) Pulse polio immunization
 - (b) Cryptosporidium
 - (c) Immunity in malaria
 - (d) Human papilloma viruses
 - (e) Interferons.

(5x10=50)

April-1997

MP 120

M.D. DEGREE EXAMINATION
Branch IV - Microbiology
(New/Revised Regulations)

Paper III - VIROLOGY AND PARASITOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the classification and general characters of Arboviruses. Give a brief account of arbovirus diseases in India. (25)
2. Discuss the morphology, life cycle and pathogenesis of *W.bancrofti*. Briefly mention the laboratory diagnosis of filariasis. (25)
3. Write briefly on:
 - (a) Cysticercosis
 - (b) *Schistosoma haematobium*
 - (c) Hepatitis 'C' virus
 - (d) Creutzfeldt - Jakob disease
 - (e) Viral vaccines.

(5x10=50)

October-1997

MS 119

M.D. DEGREE EXAMINATION
Branch IV - Microbiology
(New/Revised Regulation)

Paper III - VIROLOGY AND PARASITOLOGY

Time: Three hours

Max. marks:100

Answer All Questions

1. Discuss H.I.V. (25)
2. Discuss Filariasis. (25)
3. Write briefly on:
 - (a) Interferons
 - (b) Subunit vaccines
 - (c) Congenital viral infections
 - (d) Acanthamoeba
 - (e) Balantidium coli.

(5x10=50)

April-1998

SV 120

M.D. DEGREE EXAMINATION
Branch IV - Microbiology
(New/Revised Regulations)

Paper III - VIROLOGY AND PARASITCLOGY

Time: Three hours

Max.marks;100

Answer All Questions

1. Discuss the pathogenicity of cestodes. (25)
2. Classify picorna viruses. Write in detail about Enterovirus type 72. (25)
3. Write briefly on:
 - (a) Viral assays
 - (b) Lab diagnosis of HIV infection
 - (c) Life cycle of Leishmania donovani
 - (d) Occult filariasis
 - (e) Vaccines against parasitic diseases. (5x10=50)

October-1998

[SM 120]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(New/Revised Regulations)

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What are the species of Genus Echinococcus causing disease in man? Discuss the life cycle, pathogenicity and laboratory diagnosis of E. granulosus. (25)

2. Classify Rhabdo viruses. Discuss the currently available Anti rabies vaccines. (25)

3. Write briefly on : (5 × 10 = 50)

- (a) Strongyloides species
 - (b) Cryptosporium
 - (c) Pseudo-hookworm disease
 - (d) Rubi virus
 - (e) Interferons.
-

April-1999

[SG 120]

Sub. Code : 2019

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(New/Revised Regulations)

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the pathogenesis, rapid diagnosis of cytomegalovirus infection in solid organ transplantation. (25)
2. Describe the morphology, life cycle, pathogenesis and diagnosis of strongyloides stercoralis infection. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Pulse polio immunisation
 - (b) Isosporiasis
 - (c) Epidemiology of JE in India
 - (d) Cultivation of Malarial parasite
 - (e) Infantile diarrhoea.

October-1999

[KA 120]

Sub. Code : 2019

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours ,

Maximum : 100 marks

Answer ALL questions.

1. Discuss Enteroviruses of medical importance with special reference to Polioviruses. (25)
 2. Give an account of Toxoplasmosis with special reference to work done in India. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Vaccine against HIV
 - (b) Detection of Hepatitis 'C' virus
 - (c) Cysticercosis
 - (d) Vaccine against Malaria
 - (e) Haemorrhagic fevers.
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April-2000

[KB 120]

Sub. Code : 2017

M.D. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the developments in the knowledge about the filarial parasites their diagnosis and pathogenicity. (25)
2. Enumerate the viruses causing Hepatitis. Discuss in detail the Pathogenicity, lab diagnosis and Prophylaxis of hepatitis due to HBV. Add a note on recent concepts about viral hepatitis. (25)
3. Write short notes on : (10 × 5 = 50)
 - (a) MMR vaccine
 - (b) Cryptosporidium
 - (c) Zymodene analysis of Entamoeba histalytica
 - (d) Western blot
 - (e) Congenital viral infections.

October-2000

[KC 120]

Sub. Code : 2017

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(OR/New/Revised Regulations)

Paper III — VIROLOGY AND PARASITOLOGY

Time : Three hours : Maximum : 100 marks

Answer ALL questions.

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Rabies. (25)
2. Describe the life cycle and laboratory diagnosis of Plasmodium Falciparum. Add a note on Malaria vaccine. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Toxoplasma Gondii
 - (b) Kyasanur Forest disease
 - (c) Spongiform encephalopathies
 - (d) Paul bunnel Test
 - (e) Concentration Techniques of examination of stool for ova and cyst.