

APRIL 1991

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M.Sc. DEGREE EXAMINATION, APRIL 1991.

Branch V — Microbiology

Final

VIROLOGY AND PROTOZOOLOGY

Time : Three hours.

Answer ALL the questions.

All questions carry equal marks.

1. Name the Hepatitis Viruses. Write an account about the recent advances in the pathogenesis and diagnosis of Hepatitis B virus.
 2. Describe the pathogenesis of HIV infections. Write a note on AIDS in India.
 3. Write an essay on 'Toxoplasmosis'.
 4. Write briefly on :
 - (a) Inclusion bodies.
 - (b) Hydatid cyst.
 - (c) Cultivation of viruses.
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M.Sc. DEGREE EXAMINATION, SEPTEMBER 1991.

(Non-Clinical — Subjects for Science Graduates)

Branch V — Microbiology — Final

Paper III — VIROLOGY AND PROTOZOOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

All questions carry equal marks.

1. Classify 'Picorna' viruses. Describe the pathogenesis of Poliomyelitis with a note on immunoprophylaxis.
 2. Classify the vaccines against Rabies. Describe the schedule for immunisation against rabies and its complications.
 3. Discuss the life cycle and laboratory diagnosis of *Enterobius vermicularis*.
 4. Write briefly on :
 - (a) Primary amoebic encephalitis.
 - (b) Immunity in malaria.
 - (c) Viral interference.
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APRIL 1992

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M.Sc. (NON CLINICAL) DEGREE EXAMINATION
FACULTY OF MEDICINE
FINAL
BRANCH V - Microbiology

Paper III - Virology and Protozoology

Time: Three Hours

Maximum Marks:100

Answer All questions

All questions carry equal marks

1. What is the current classification and characteristics of 'Hepatitis viruses'. Discuss the Virological diagnosis of Non A Non B hepatitis.
 2. Enumerate the Leishmanial infections prevalent in India. Discuss the epidemiology, pathogenesis and laboratory diagnosis of Kalazar.
 3. Write briefly on the morphology, cultural characters, pathogenicity and laboratory diagnosis of Rabies Virus. Add a note on currently available anti-rabies vaccines.
 4. Write short notes on:
 - a. DNA hybridisation.
 - b. Malarial Vaccines.
 - c. Pneumocystis carinii.
 - d. Antiviral substances.
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SEPTEMBER 1992

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M.Sc. DEGREE EXAMINATION SEPTEMBER, 1992

(Non clinical subjects for Science graduates)

BRANCH V - MICROBIOLOGY FINAL

Paper III - VIROLOGY AND PROTOZOOLOGY

Time: Three hours Maximum: 100 marks

Answer ALL questions

All questions carry equal marks

1. Discuss the virology, mechanism and laboratory diagnosis of Human Immuno deficiency viruses. Add a note on the currently available ant-HIV agents.
 2. Classify Hepatitis viruses. Discuss in detail the virological diagnosis of Hepatitis B.
 3. Enumerate the Nematodal infections prevalent in India. What are the current methods of the parasitological diagnosis of filariasis.
 4. Write briefly on:
 - (a) Laboratory diagnosis of hydated diseases.
 - (b) Viral interference.
 - (c) Toxaplasmosis.
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M.Sc. (NON-CLINICAL) DEGREE EXAMINATION
BRANCH V MICROBIOLOGY FINAL

PAPER III VIROLOGY AND PROTOZOOLOGY

Time: Three hours

Maximum: 100 marks

Answer All Questions
All Questions Carry equal marks.

1. Describe the various methods of cultivation of viruses and write in detail the use of tissue culture in the study of viruses. (25)
 2. Classify Hepatitis virus. Describe the laboratory diagnosis and prophylaxis of Hepatitis B virus. (25)
 3. Discuss the life cycle and diagnosis of Malarial parasite. (25)
 4. Write short notes on: (5 * 5 =25)
 - a. Viral encephalitis
 - b. Intermediate hosts
 - c. Blood Parasites
 - d. Viral diarrhoea
 - e. AIDS
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APRIL 1994

M.SC (NON CLINICAL) DEGREE EXAMINATION

FINAL BRANCH V MICROBIOLOGY

PAPER II| VIROLOGY AND PROTOZOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

All Questions Carry equal marks.

1. Describe the properties of Hepatitis viruses. Add a note on the laboratory diagnosis of Hepatitis B virus infection. (25)
2. Classify Sporozoa. Describe the life cycle, pathogenesis and laboratory diagnosis of *Plasmodium falciparum*. (25)
3. What host cell type is destroyed after infection with HIV? Discuss the Spectrum of HIV related disease. Add a brief note on epidemiology and Serology of AIDS in the tropics. (25)
4. Write short notes on: (5 x 5 = 25)
 - a. Detection of virus infected cells.
 - b. Retro viruses
 - c. Lab.diagnosis of Leishmaniasis
 - d. Haenoflagelates
 - e. Rabies Vaccine

APRIL 1995

[SB 329]

M.Sc. (Non-Clinical) DEGREE EXAMINATION

Final — Branch V— Microbiology

Paper II — VIROLOGY AND PROTOZOOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

All questions carry equal marks.

1. Classify Pico RNA viruses and describe briefly the laboratory diagnosis and prophylaxis of poliomyelitis. (25)
 2. Classify super family Filarioidea. Describe in detail, life-cycle, pathogenesis and Immuno diagnosis of filariasis. (25)
 3. Write an essay on Mosquito borne group Arbovirus and their laboratory diagnosis. (25)
 4. Write short notes on : (5 × 5 = 25)
 - (a) Primary Amoebic meningoencephalitis.
 - (b) Epstein-Barr virus.
 - (c) Molluscum contagiosum.
 - (d) Toxoplasma Gondii.
 - (e) Monkeypox virus.
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NOVEMBER 1995

MB 330

M.Sc. (Non-Clinical) DEGREE EXAMINATION

Final - Branch V - Microbiology

Paper III - VIROLOGY AND PROTOZOOLOGY

Time: Three hours

Max. marks:100

Answer All Questions

All Questions carry equal marks

1. *What are slow virus diseases? Classify and describe in detail various forms. (25)*
 2. *Classify Trematoda and describe in detail life cycle, pathogenesis and immuno diagnosis of Schistosoma haematobium. (25)*
 3. *Write an essay on viruses which causes diarrhoea and their laboratory diagnosis.(25)*
 4. *Write short notes on: (5x5=25)*
 - (a) *Dipylidium caninum*
 - (b) *Hepatitis Type E*
 - (c) *Loa Loa*
 - (d) *Concentration method of stool*
 - (e) *Redia*
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OCTOBER 1996

PK 226

M.Sc.(Non-clinical) DEGREE EXAMINATION

Final- Branch V - Microbiology

Paper III - VIROLOGY AND PROTOZOOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

All questions carry equal marks

1. Name the microbial aetiological agents of hepatitis in man. Give an account of the hepatitis viruses. Describe the laboratory diagnosis and prophylactic measures of hepatitis B virus infection. (25)
 2. Classify the coccidian parasites. Give a brief description of the morphology, life cycle, pathogenesis and laboratory diagnosis of toxoplasma gondii. (25)
 3. Give an account of myxoviruses. Describe the laboratory diagnosis and prophylaxis of measles virus. (25)
 4. Write briefly on: (5x5=25)
 - (a) Interferons
 - (b) Haemorrhagic fever
 - (c) Viral haemagglutinins
 - (d) Trichomonas vaginalis
 - (e) Laboratory media used in amoeba cultivation.
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APRIL 1997

MP 291

M.Sc.(Non-clinical) DEGREE EXAMINATION

Final - Branch V - Microbiology

Paper III - VIROLOGY AND PROTOZOOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

All questions carry equal marks.

1. Discuss the structure, mode of infection, pathogenesis, laboratory diagnosis and immunoprophylaxis for Hepatitis B virus. (25)
 2. Enumerate the tissue nematodes and the diseases caused by them. Discuss the laboratory diagnosis and epidemiology of filariasis in India. (25)
 3. Discuss in brief the viral cultivation methods and their practical applications. (25)
 4. Write briefly on: (5x5=25)
 - (a) H.nana
 - (b) Cryptosporidium
 - (c) Free living amoebae
 - (d) Negribody
 - (e) E.B.Virus.
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APRIL 2000

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M.Sc. (Non-Clinical) DEGREE EXAMINATION.

Final — Branch V — Microbiology

Paper III — VIROLOGY AND PROTOZOOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the properties of Hepatitis viruses. Add a note on the laboratory diagnosis of Hepatitis B Virus infection. (25)
 2. Classify cestodes medical importance. Describe in detail the life cycle, pathogenesis and immuno diagnosis of Hydatid Disease. (25)
 3. Discuss on Mosquito borne group of Arbor virus and their laboratory diagnosis. (25)
 4. Write briefly on : (5 × 5 = 25)
 - (a) Molluscum contagiosum
 - (b) Lab. diagnosis of leishmaniasis
 - (c) Cyclops
 - (d) Oncogenic viruses
 - (e) Concentration method of stool
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