April-1996

[AK 122]

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Enumerate the aetiological agents of 'Mycetomas'. Discuss their differentiation and mycological diagnosis. (25 marks)

2. Discuss tokines and their role in immunomodulation. (25 marks)

3. Write briefly on : (5 x 10 = 50 marks)

(a) Disinfectants with special reference to sporocidal activity.

(b) Biosaf[illegible] in clinical microbiology laboratory.

(c) Viral haemorrhagic fevers.

(d) Helicobacter pylori.

(e) Epidemiology of Guineaworm disease in India.

April-1997

MP 122

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(Revised Regulations)

Paper IV - MYCOLOGY AND APPLIED MICROBIOLOGY

Time: Three hours Max. marks: 100

Answer All Questions

1. Discuss the recent trends in the laboratory diagnosis of fungal infections with special reference to the identification of candida species. (25)

2. Discuss the role of biological vectors in human infections. (25)

3. Write briefly on:

   (a) Computerisation in clinical microbiology

   (b) Zymodemes

   (c) Antibiotic assays in clinical practice

   (d) Newer viral vaccines

   (e) Perfect stage of dermatophytes.

(5x10=50)

October-1997

MS 120

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(Revised Regulations)

Paper IV - MYCOLOGY AND APPLIED MICROBIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Discuss laboratory diagnosis of Leptospirosis (25)

2. Discuss mycetoma. (25)

3. Write briefly on:

   (a) Antibiotic sensitivity test

   (b) Laboratory diagnosis of HIV infection

   (c) Polymerase chain reaction

   (d) Opportunistic fungal infections

   (e) Sporotrichosis.

(5x10=50)

April-1998

SV 122

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(Revised Regulations)

Paper IV - MYCOLOGY AND APPLIED MICROBIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Describe the identification of "Dimorphic fungi" and the diseases causes by them. (25)

2. Discuss quality control in the microbiology laboratory. (25)

3. Write briefly on:

   (a) Unconventional infections agents

   (b) Use of human immunoglobulin preparations

   (c) CSF in meningitis

   (d) Microsporum species

   (e) Fungi causing mycetoma

(5x10=50)

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October-1998

[SM 122]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Revised Regulations)

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss Nosocomial infections. Describe various epidemiological markers with suitable examples. (25)

2. Discuss opportunistic fungal infections. (25)

3. Write briefly on :
   (a) Occulomycosis.
   (b) P.C.R. (Polymerase Chain Reaction).
   (c) Computer in medical microbiology.
   (d) Biological vectors in human infections.
   (e) Antifungal agents. (5 × 10 = 50)

April-1999

[SG 121] **Sub. Code : 2020**

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Revised Regulations)

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe the current ideas on the causative agents of transmissible spongiform encephalopathies, diagnosis and procedures used to eliminate infectivity. (25)

2. Outline the scheme of identification of yeasts from clinical specimens and add a note on clinical conditions associated with medically important yeasts. (25)

3. Write briefly on : (5 × 10 = 50)

(a) Treatment and disposal of infectious waste from hospital.

(b) External quality assurance programme.

(c) Antifungal susceptibility testing of dermatophytes.

(d) Rapid detection of viruses in cell culture.

(e) JE vaccine/s.

October-1999

[KA 121] **Sub. Code : 2020**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the morphology, antigenecity, pathogenecity and laboratory diagnosis of CRYPTOCOCCUS neoformans. (25)

2. Discuss the aetiology and laboratory diagnosis of INFECTIVE ENDOCARDITIS. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Unconventional infectious agents

   (b) Laboratory diagnosis of Anaerobic infections

   (c) Subcutaneous mycoses

   (d) Piedra

   (e) Transfusion malaria.

April-2000

[KB 121] **Sub. Code : 2019**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours MAR 2000 Maximum : 100 marks

Answer ALL questions.

1. Discuss the recent advances in the diagnosis of Septicemias. (25)

2. Enumerate the organisms causing Eumycotic mycetoma. Describe in brief the lab diagnosis. (25)

3. Write short notes on : (10 × 5 = 50)

   (a) Macro conidia

   (b) Histoplasmosis

   (c) Lammar flow–tests

   (d) Biological vectors

   (e) Bacterial analysis of food.

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October-2000

[KC 121] **Sub. Code : 2019**

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Revised Regulations)

Paper IV — MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe the pathogenesity and laboratory diagnosis of superficial mycoses. (25)

2. Discuss Dynamics of Hospital Infections. (25)

3. Write briefly on : (5 × 10 = 50)

(a) Merits and demerits of antibacterial susceptability tests

(b) Arthropodes of medical importance

(c) Hepatitis vaccine

(d) Tissue culture

(e) Cryptococcus neoformans.