October-1990

[1010]

SECOND M.B.B.S. DEGREE EXAMINATION

Part II - Microbiology

Paper II SYSTEMIC, BACTERIOLOGY, VIROLOGY, ELEMENTARY MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Answer All questions

SECTION A (2 x 15 = 30)

1.Enumerate the organism that causes meningitis in man and discuss in detail the laboratory diagnosis of meningococcal meningitis. (15 marks)

2. Give an account of the etiology, pathogenesis and laboratary diagnosis of Acquired Immuno Deficiency Syndrome (AIDS). (15 marks)

SECTION B

3. Write the short notes on: (6 x 5 = 30)

(a) Campylobacter

(b) Significant bacteriuria

(c) Interferon

(d) Japanese B Encephalitis Virus

(e) Candida Albicans

(f) Madura Mycosis

[010]

SECOND M.B.,B.S. DEGREE EXAMINATION,
DECEMBER 1991.

Part II — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY, VIROLOGY, ELEMENTARY MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours. Maximum : 90 marks.

Answer ALL questions.

Answer Sections A and B in separate Answer Books.

SECTION A

1. What are arbo viruses. Give an account of the common arbo viral diseases prevalent in India. (15)

2. Classify streptococci. Give the pathogenicity and lab diagnosis of streptococcus pyogenes. (15)

SECTION B

3. Write briefly on :

(a) Neufeld—Quellung reaction.

(b) Mycetoma.

(c) Live viral vaccines.

(d) Weil—Felex reaction.

(e) E.B. Virus.

(f) Prophylaxis of tetanus. (6 × 5 = 30)

APRIL 1992.

[1010]

SECOND YEAR M.B., B.S., EXAMINATION, APRIL 1992.

Paper II — MICROBIOLOGY

Paper II — SYSTEMIC BACTERIOLOGY, VIROLOGY, ELEMENTARY MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours — Maximum : 90 marks

Time : Two and a half hours for Sections A and B — Sections A and B : 60 marks

Answer ALL questions.

Answer Sections A and B in separate answer books.

SECTION A — (2 x 15 = 30 marks)

1. Describe the morphology, cultural characteristics and Laboratory diagnosis of Salmonella Typhi. (15 marks)

2. Describe the morphology and pathogenesis of Rabies Virus. Explain in detail the treatment of Rabies infection? (15 marks)

SECTION B

3. Write short notes on : (6 x 5 = 30 marks)
   (a) Coagulase test.
   (b) Elek's test
   (c) Antigenic drift and shift.
   (d) Rotta virus.
   (e) Cryptococcus Neoformans.
   (f) Aspergilloma.

JANUARY 1993.

[1 0 1 0]

SECOND M.B., B.S. EXAMINATION, JANUARY 1993.

Part II — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY, VIROLOGY, ELEMENTARY MYCOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours. Maximum : 90 marks

Time : Two and a half hours for Sections A and B. Sections A and B : 60 marks

Answer ALL questions.

SECTION A

1. Enumerate the organism that causes meningitis in man and discuss in detail the laboratory diagnosis of meningococcal meningitis. (15 marks)

2. Give an account of the etiology, pathogenesis and laboratory diagnosis of Acquired Immuno Deficiency Syndrome (AIDS). (15 marks)

SECTION B

3. Write briefly on :

(*a*) Campylobacter.

(*b*) Significant bacteriuria.

(*c*) Interferon.

(*d*) Japanese B Encephalitis Virus.

(*e*) Candida Albicans.

(*f*) Madura Mycosis. (6 × 5 = 30 marks)

November-1993

[PR 110]

SECOND M.B.B.S. DEGREE EXAMINATION.

Part II — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY VIROLOGY ELEMENTARY MYCOLOGY AND APPLIED MICROBIOL

Time : Three hours Maximum : 90 m

1. Separate answer books must be used for Sectio and B.
2. Section C must be answered separately on answer sheet placed inside the question pap booklet as per the instructions on the first page.
3. Answer ALL the questions.
4. Draw diagrams wherever needed for answers Sections A and B.

SECTION A — (2 × 15 = 30 marks)

1. Describe the morphology, cultural characters and laborat diagnosis of C. diphtheriae. Add a note on Prophylaxis agai Diphtheria.

2. Classify Arbo viruses. Describe the pathogenesis, la oratory diagnosis, epidemiology and prophylaxis of Japane Encephalitis.

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on any SIX of the followin
   (a) Dimorphic fungi.
   (b) Widal test.
   (c) Sabouraud's medium.
   (d) Urinary tract infection.
   (e) Aseptic meningitis.
   (f) Relapsing fever.
   (g) M.M.R. Vaccine.
   (h) Satellitism.

November-1994

SECOND M.B.,B.S. DEGREE EXAMINATION.

Part II

Paper II — MICROBIOLOGY — II

/STEMIC, BACTERIOLOGY, VIROLOGY, ELEMENTARY MYCOLOGY AND APPLIED MICROBIOLOGY)

ıe : Three hours Maximum : 90 marks

1. Separate answer books must be used for Sec. A and B.

2. Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instructions on the first page.

3. Answer all the questions.

SECTION A — (2 × 15 = 30 marks)

1. Classify Mycobacteria. Discuss the laboratory diagnosis of pulmonary tuberculosis.

2. Enumerate DNA viruses. Give an account of Herpes group of viruses.

(NT) 5151

SECTION B — (6 × 5 = 30 marks)

Write short notes on :

(1) Non gonococcal urethritis.

(2) Halophilic vibrio.

(3) Prophylaxis against tetanus.

(4) VDRL test.

(5) Cryptococcus.

(6) Viral diarrhoea.

April-1995

SB 515]

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

Paper II - MICROBIOLOGY - II

(Systemic, Bacteriology, Virology, Elementary mycology and applied Microbiology)

Time : Three hours Maximum : 90 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions

SECTION A (2 x 15 = 30)

1. Classify Herpes viridae. Describe the pathogenesis isolation methods and Laboratroy diagnosis of Herpes simplex virus.

2. Enumerate the bacteria causing meningitis. Describe the morphology, cultural characters of N. Meningitidis and discuss the laboratory diagnosis of Cerebrospinal fever.

SECTION B

3. Write the short notes on: (6 x 5 = 30)

(a) R.C.M.

(b) Laboratory diagnosis of enteric carriers

(c) Ascoli's Thermoprecipitation test

(d) Significant Bacteriuria

(e) Mycotoxicosis

(f) Interferon

MB 518] Novemebr-1995

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

Paper II - MICROBIOLOGY - II

(Systemic, Bacteriology, Virology, Elementary mycology and applied Microbiology)

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A - (2 x 15 = 30)

1. Describe the morphology, cultural characters and pathogenesis of Yersinia Petis. Add a note on laboratory dianosis of plague.

2. Classify Arboviruses. Briefly describe the Arboviruses occuring in India.

SECTION B - (6 x 5 = 30)

3. Write short notes on:

(a) Viral inclusion bodies

(b) Sabin vaccine

(c) Yellow fever

(d) Egg culture

(e) Opportunistic fungi

(f) Laboratory diagnosis of enteric carriers.

April-1996

AK 520] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

(New Regulations)

Paper II - MICROBIOLOGY - II

(Systemic, Bacteriology, Virology, Elementary mycology and applied Microbiology)

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A (2 x 15 = 30)

1. Enumerate Hepatitis viruses. Describe the mode of transmission and prophylaxis of Hepatitis B virus infection.

2. Enumerate the bacteria causing acute gastro-eneritis in mass. Describe the morphology, cultural characters of vibrio cholera and discuss the laboratory diagnosis of cholera.

SECTION B (8 x 5 = 40)

3. Write the short notes on:

(a) Rabies prophylaixis
(b) Laboratory diagnosis of Leptospirosis
(c) Multidrug resistant salmonella typhi
(d) Frei's test
(e) Candida albicans
(f) Polio vacines
(g) Immuno prophylaxis of tetanus
(h) Water born diseases

April-1996

AK 518] Sub. Code : 4025

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

(Old Regulations)

Paper II - MICROBIOLOGY - II

(Systemic, Bacteriology, Virology, Elementary mycology and applied Microbiology)

Time : Three hours Maximum : 90 marks

Two and a half hours for Section A and B Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A (2 x 15 = 30)

1. Enumerate Hepatitis viruses. Describe the mode of transmission and prophylaxes of Hepatitis B virus infection.

2. Enumerate the bacteria causing acute gastro-eneritis in mass. Describe the morphology, cultural characters of vibrio cholera and discuss the laboratory diagnosis of cholera.

SECTION B (6 x 5 = 30)

3. Write the short notes on:

(a) Rabies prophylaixis

(b) Laboratory diagnosis of Leptospirosis

(c) Multidrug resistant slmonella typhi

(d) Frei's test

(e) Candida albicans

(f) Polio vacines

APRIL '97

MP 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

(Old Regulations)

Paper II - MICROBIOLOGY - II

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A - (30 marks)

1. Classify Streptococci. Write briefly on the the etiology, pathogenesis and laboratory diagnosis of rheumatic heart disease. (15)

2. Write short notes on: (3 x 5 = 15)

(a) Sporotrichiosis

(b) Clostridium difficile

(c) Standard tests for syphilis

SECTION B - (30 marks)

3. List the Hepatitils viruses. Briefly describe the morpholoy, genesis and complicaitons of Hepatitis B virus. What is the diagnosis for this disease? (15)

4. Write short notes on: (3 x 5 = 15)

(a) Viral gastroenteritis

(b) Laboratory diagnosis of cryptococcal meningitis

(c) Chlamydospores

APRIL '97

MP 525] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION

Part II

(New Regulations)

Paper II - MICROBIOLOGY - II

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A --(35 marks)

1. Classify Streptococci. Write briefly on the the etiology, pathogenesis an laboratory diagnosis of rheumatic heart disease. (15

2. Write short notes on: (4 x 5 = 20

(a) Sporotrichiosis

(b) Clostridium difficile

(c) Standard tests for syphilis

(d) Weil-Felix test

SECTION B - (35 marks)

3. List the Hepatitils viruses. Briefly describe the morphology, pathogenes and complicaitons of Hepatitis B virus. What is the diagnosis for this disease?(1

4. Write short notes on: (4 x 5 = 2C

(a) Viral gastroenteritis

(b) Laboratory diagnosis of cryptococcal meningitis

(c) Chlamydospores

(d) Prevention of nosocomial infections

October-1997

[MS 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

Common to all Regulations

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours — Maximum : 100 marks

Two and a half hours for Sections A and B — Sections A and B : 70 marks; Section C : 30 marks

Separate answer books must be used forSections A and B.

Section C must be answered separately on the answer sheet as per the instructions on the first page.

Answer ALL questions.

Draw diagrams wherever necessary.

SECTION A — (35 marks)

1. Enumerate the antigen–antibody reactions. Describe the agglutination reaction in detail with examples. (15)

2. Write briefly on : (4 × 5 = 20)

(a) Polio vaccines.

(b) Epstein–Barr virus.

(c) Enumerate the viruses causing diarrohea.

(d) Laboratory diagnosis of HBV infection.

SECTION B — (35 marks)

Classify medically important spirochaetes. Describe in detail laboratory diagnosis of syphilis. (15)

[MS 523]

Write briefly on : (4 × 5 = 20)

(a) Staph. Aureus.

(b) Nagler's reaction.

(c) Enumerate the meningitis producing bacteria.

(d) Diarrheogenic E. Coli.

April-1998

SV 523] Sub. Code : 4025

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part II

Paper II - MICROBIOLOGY - II

Time : Three hours Maximum : 90 marks

Two and a half hours for Section A and B Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Enumerate the DNA viruses. Give an account of Herpes group of viruses. (15)

2. Write briefly on: (4 x 5 = 20)

   (a) Clostidium botulinum

   (b) Methicillin Resistant Staphylococcus aureus

   (c) Mycotic mycetoma

   (d) Cryptococcus neoformans.

SECTION B

3. Name the causative agents of Enteric fever. Describe the laboratory diagnosis of Typhoid fever. (15)

4. Write briefly on: (4 x 5 = 20)

   (a) Japanese encephalitis

   (b) Tissue culture for viruses

   (c) Prophylaxis for Rabies

   (d) Opportunistic fungi

NOV. '98

SM 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part II

Paper II - MICROBIOLOGY - II

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks, Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Enumerate the organisms causing fevers. Discuss in detail the pathogenesis and laboratory diagnosis of "Enteric fever" (15)

2. Write briefly on: (4 x 5 = 20)

   (a) Viral inclusion bodies

   (b) Epidemic Typhus

   (c) Mechanisms of viral oncogenesis

   (d) Mycotoxins

SECTION B

3. What are the micro-organisms causing "Meningitis"? Discuss in detail the pathogenesis and laboratory diagnosis of "Memingococcal Meningitis" (15)

4. Write briefly on: (4 x 5 =20)

   (a) Prophylaxis of tetanus

   (b) Influenza viruses

   (c) Slow viruses

   (d) Nosocomial infections

[SG 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours **Maximum : 100 marks**

Two and a half hours **Sec. A & Sec. B : 70 marks**

for Sec. A and Sec. B **Section C : 30 marks**

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions.

Draw diagrams wherever necessary.

SECTION A — (35 marks)

1. Define Zoonosis. Enumerate Zoonotic diseases caused by Bacteria. Describe Morphology, Pathogenesis, Laboratory diagnosis and control of Leptospirosis in man. (15)

2. Write short notes on : (4 × 5 = 20)
   (a) Laboratory diagnosis of gonorrhoea
   (b) Bacteroides
   (c) 'Vi' antigen
   (d) A typical Mycobacteria.

SECTION B — (35 marks)

3. Enumerate viruses affecting central nervous system. Describe morphology, pathogenesis, laboratory diagnosis and prevention of Rabies. (15)

4. Write short notes on : (4 × 5 = 20)
   (a) Dengue fever
   (b) Latent viral infections
   (c) Laboratory diagnosis of fungus infections
   (d) Corn meal agar.

[KC 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours — **Maximum : 100 marks**
Two and a half hours for Sec. A & Sec. B — **Sec. A & Sec. B : 70 marks**
Section C : 30 marks

Separate answer books must be used for Sections A and B.

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Define and classify Hypersensitivity. reactions, giving examples of each type. Write in detail about Type–1 hypersensitivity. (15)

2. Write briefly on : (4 × 5 = 20)

   (a) Paramyxovirus

   (b) Viral Replication

   (c) Candida albicans

   (d) Immunization schedules.

SECTION B — (35 marks)

3. Enumerate the Bacteria causing food poisoning. Describe in detail the Laboratory diagnosis of any one of them. (15)

4. Write briefly on : (4 × 5 = 20)

   (a) Group D streptococci

   (b) Weil–Felix test

   (c) Satelitism

   (d) Blood culture.

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[KD 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Separate answer books must be used for Sections A and B.

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Classify Streptococci and write briefly about the pathogenesis and laboratory diagnosis of beta hemolytic streptococci. (15)

2. Write short notes on : (4 × 5 = 20)

(a) X and V factors

(b) Scrub typhus

(c) Eltor Vibrio

(d) Dermatophytes.

SECTION B — (35 marks)

3. Classify herpes viruses. Describe the pathogenesis and laboratory diagnosis of varicella–zoster virus. (15)

4. Write short notes on : (4 × 5 = 20)

(a) Inclusion bodies

(b) Rabies vaccines

(c) Antigenic shift and antigenic drift

(d) Congenital viral infections.

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[KE 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Classify streptococci. Write briefly on pathogenecity, sequalae and laboratory diagnosis of group A beta haemolytic streptococci. (15)

2. Write short notes on : (4 × 5 = 20)

   (a) Toxins of clostridium welchii

   (b) Inclusion conjunctivitis

   (c) Halophilic vibrios

   (d) Laboratory diagnosis of plague.

SECTION B — (35 marks)

3. Classify picorna viruses. Write briefly on polio viruses. (15)

4. Write short notes on : (4 × 5 = 20)

   (a) Rhinosporidium seeberi

   (b) Eijkman's test

   (c) Mycotoxins

   (d) Kyasanur forest disease.

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[KG 523] **Sub. Code : 4025**

SECOND M.B.B.S. DEGREE EXAMINATION.

Common to all Regulations

Part II

Paper II — MICROBIOLOGY — II

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A & Sec. B. Section C : 30 marks

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A

1. Enumerate the viruses that cause aseptic meningitis. Write the mode of transmission, pathogenicity and prophylaxis of poliomyelitis virus. (15)

2. Write short notes on : (4 × 5 = 20)

(a) Laboratory diagnosis of secondary syphilis.

(b) Non–specific urethritis.

(c) Tissue culture.

(d) Laboratory diagnosis of pulmonary tuberculosis.

SECTION B

3. List of bacteria causing urinary tract infection. Discuss the laboratory diagnosis of urinary tract infections. (15)

4. Write short notes on : (4 × 5 = 20)

(a) Dermatophytes.

(b) Malignant pustule.

(c) Helicobacter pylori.

(d) Viral haemorrhagic fever.