

April-2001

[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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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 pathogenicity, sequelae 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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SECTION B

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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.

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.

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

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Part II

Paper II — MICROBIOLOGY — II

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

MCQ : Twenty minutes MCQ : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) Describe the pathogenicity, laboratory diagnosis and prophylaxis of cholera.

(2) Classify Arboviruses. Write in detail about the Japanese Encephalitis B.

II. Write briefly on : (10 × 5 = 50)

- (a) Gas gangrene
- (b) Laboratory diagnosis of Diphtheria
- (c) Extra pulmonary tuberculosis
- (d) Borrelia
- (e) CAMP Test
- (f) Interferon
- (g) Dengue fever
- (h) Candidiasis
- (i) Cryptococcosis
- (j) MMR vaccine.

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

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Part II

Paper II — MICROBIOLOGY — II

Time : Three hours

Maximum : 100 marks

Theory : Two hours and forty
minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write essay : (2 × 15 = 30)

(1) Classify Mycobacteria. Describe the pathogenesis and laboratory diagnosis of pulmonary tuberculosis.

(2) Describe the morphology, pathogenesis, lab diagnosis and immunoprophylaxis of Rabies virus.

II. Write briefly on : (10 × 5 = 50)

(a) Enterococci.

(b) Nongonococcal urethritis.

(c) Nagler Reaction.

(d) Q fever.

(e) Infectious mono nucleosis.

(f) Embryonated egg.

(g) Japanese B encephalitis.

(h) Laboratory diagnosis of AIDS.

(i) Mycetoma.

(j) Sporotrichosis.