

[KJ 541]

Sub. Code : 4062

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

(Non-Semester)

(Revised Regulations)

Paper II — VIROLOGY, MYCOLOGY,
PARASITOLOGY, APPLIED MICROBIOLOGY

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. Describe the morphology, life cycle and pathogenicity of taenia solium. Outline the methods for the laboratory diagnosis of tapeworm infection.

2. Define aseptic meningitis? Enumerate the causes. Discuss the laboratory diagnosis and Immunoprophylaxis in poliomyelitis.

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

- (a) Pernicious malaria
- (b) Sporothrix schenkii
- (c) N.N.N. medium
- (d) Pathogenicity of strongyloides stercoralis
- (e) Trichomona vaginalis
- (f) Hepatitis E
- (g) Haemagglutination Inhibition test
- (h) Blood culture
- (i) Viral diarrhoeas
- (j) Bacteriophage.

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forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagram wherever necessary.

Write Essay : (2 × 15 = 30)

(1) Describe the morphology, life cycle and pathogenicity of *Echinococcus granulosus*. Outline the methods for the laboratory diagnosis.

(2) Enumerate viruses causing Post-transfusion hepatitis. Describe the morphology, pathogenesis and laboratory diagnosis of hepatitis B. Add a note on its prevention.

II. Write Short notes on : (10 × 5 = 50)

- (a) Toxoplasmosis
- (b) Micro filaria

- (c) *Cysticercus cellulosae*
 - (d) Lung fluke
 - (e) Non gonococcal urethritis
 - (f) Japanese encephalitis
 - (g) MMR
 - (h) Prophylaxis of Rabies
 - (i) Viral vaccines
 - (j) Cytopathogenic effect.
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II. Write short notes on :

(10 × 5 = 50)

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Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Mention the parasitic zoonotic diseases.
Write the life cycle, pathogenesis and laboratory
diagnosis of Toxoplasmosis. (3 + 3 + 4 + 5 = 15)

(2) List the Arbo viruses prevalent in India.
Describe the aetiology and laboratory diagnosis of
Japanese B encephalitis.

(a) Concentration methods of faecal
examination.

(b) Opportunistic fungal infections.

(c) Lab diagnosis of extra intestinal amoebiasis.

(d) Aspergilloma.

(e) Viviparous parasites.

(f) Antiviral agents.

(g) Laboratory assessment of portability of
(Drinking) water.

(h) Kysanoor forest disease.

(i) Viral replication.

(j) Type C Hepatitis.

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SECOND M.B.B.S DEGREE EXAMINATION.

(Revised Regulations)

(Non-Semester)

Paper II — VIROLOGY, MYCOLOGY,
PARASITOLOGY AND APPLIED MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

1 Enumerate Somatic nematodes. Describe the life cycle and Laboratory diagnosis of *Wuchereria bancrofti*.
(20)

2 Discuss the etiology, pathogenesis and Laboratory diagnosis of Mycotic mycetoma. (15)

3 Classify Herpes viruses, Discuss the general characters, pathogenesis and Laboratory diagnosis of Epstein-Barr virus. (15)

II. Write short notes on :

(6 × 6 = 30)

- (a) Dermatophytes
- (b) Prophylaxis of poliomyelitis.
- (c) Bacteriological Examination of milk.
- (d) Primary amoebic meningo encephalitis
- (e) Viral diarrhoea
- (f) Stool concentration techniques.

FEBRUARY 2008

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

(Revised Regulations)

(Non-Semester)

Paper II — VIROLOGY, MYCOLOGY,
PARASITOLOGY AND APPLIED MICROBIOLOGY

Q.P. Code : 524062

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. Essay :

1. Describe the life cycle, clinical features and laboratory diagnosis of plasmodium falciparum infection. (15)

2. Discuss the pathogenesis, laboratory diagnosis and immuno prophylaxis of polio myelitis. (15)

II. Write short notes on :

(10 × 5 = 50)

- (a) Histoplasma capsulatum
- (b) Cryptosporidium parvum
- (c) Viral haemorrhagic fever.
- (d) Larva migrans
- (e) Bio safety in microbiology laboratory.
- (f) Coxsackie B virus.
- (g) Tissue culture.
- (h) Paragonimus westermani
- (i) Dermatophytes.
- (j) Immuno prophylaxis of rabies.