

[KO 120]

Sub. Code : 2017

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

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 : (2 × 15 = 30)

(1) Enumerate the parasitic infections of Liver. Describe the life cycle, pathogenesis and laboratory diagnosis of Echinococcus granulosa.

(2) Classify Enteroviruses. Discuss the epidemiology, pathogenesis and laboratory diagnosis of Poliomyelitis. Add a note on Pulse Polio programme.

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

- (a) Onchogenic viruses.
- (b) Epstein-Barr virus.
- (c) Laboratory diagnosis of Falciparum Malaria.
- (d) Nonneural vaccines against Rabies.

- (e) Viral Gastroenteritis.
 - (f) Cultivation of parasites.
 - (g) Enterobius vermicularis.
 - (h) Opportunistic infections in AIDS patients.
 - (i) Varicella - Zoster virus.
 - (j) Balantidium coli.
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[KQ 117]

Sub. Code : 2017

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

VIROLOGY AND PARASITOLOGY

Common to

Paper III — (Old/New/Revised Regulations)

(Candidates admitted from 1988 – 1969 onwards)

and

Paper III — (For candidates admitted
from 2004 – 2005 onwards)

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. Enumerate viruses infecting central nervous system. Discuss Epidemiology and Pathogenicity of viruses infecting central nervous system. (20)

2. Describe the morphology, life cycle, pathogenicity and laboratory diagnosis of falciparum malaria. (15)

3. Discuss newer laboratory investigations in parasitic infections. (15)

II. Write Short notes on : (6 × 5 = 30)

- (a) Free living amoebae
 - (b) Tissue cestodes
 - (c) Giardiasis
 - (d) Slow viruses
 - (e) Viral vaccines
 - (f) Interferons.
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[KR 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

VIROLOGY AND PARASITOLOGY

Common to

Paper III — (Old/New/Revised Regulations)

(Candidates admitted upto 2003–04)

and

Paper III — (For candidates admitted from 2004–2005 onwards)

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 diagrams wherever necessary.

I. Essays :

1. Enumerate transfusion transmitted viruses. Discuss in detail transfusion transmitted hepatitis with special reference to Laboratory diagnosis and prevention. (5 + 15 = 20)

2. Enumerate the larval cestode infections. Briefly discuss the life cycle, mode of infection and laboratory diagnosis of these parasites. (15)

3. Classify Human Herpes viruses. Write on clinical features, lab diagnosis of Herpes Simplex. Write a note on Herpes virus types 6, 7, 8. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Hanta virus.

(b) Prions.

(c) Malarial vaccines.

(d) Pseudo hookworm disease.

(e) Dirofilariasis.

(f) Avian influenza.

MARCH 2008

[KS 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

Paper III — VIROLOGY AND PARASITOLOGY

Common to all candidates

Q.P. Code. 202016

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
1. List the zoonotic viral infections. Discuss in detail the virology, pathogenesis, laboratory diagnosis and prevention of Rabies.
 2. Examination of feces for detection of parasitic infections.
- II. Write short notes on : (10 × 6 = 60)
1. Morphology and life cycle of toxoplasma gondii.
 2. Differentiating characters of larvae in stool.
 3. Cysticercosis.
 4. Baylisascaris procyonis.
 5. Endemic Hematuria.
 6. Cell culture for viruses.
 7. Vaccine designs for HIV.
 8. Rodent borne viral diseases.
 9. Antiviral chemotherapy.
 10. H5N1 virus.
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