

M.D. DEGREE EXAMINATION
BRANCH IV – MICROBIOLOGY
PAPER III – VIROLOGY AND PARASITOLOGY
Q.P.Code: 202016

Time: Three Hours

Maximum: 100 Marks

I. Essay Questions:

(2 x 10 = 20)

1. Classify Human herpes viruses. Describe the pathogenesis, clinical features, lab diagnosis, treatment and prophylaxis of Herpes simplex virus infection.
2. Describe unique features of Strongyloides stercoralis infection in man. Discuss different methods of diagnosis of strongyloidiasis.

II. Short Questions:

(8 x 5 = 40)

1. Lab diagnosis and prophylaxis of poliomyelitis.
2. Inclusion bodies.
3. Lab diagnosis of Wuchereria Bancroft.
4. Bala muthia mandrillaris.
5. Slow virus diseases.
6. Classify Togaviridae and discuss viruses causing febrile illnesses.
7. Cysticercus cellulosae.
8. Lung fluke.

III. Reasoning Out:

(4 x 5 = 20)

1. The heterophile Paul-Bunnell test is positive only in disease caused by the Epstein-Barr virus.
2. In haemagglutination inhibition tests, different kinds of non specific inhibitors have been identified in sera.
3. This infection is common amongst those eating raw or insufficiently cooked 'measly pork'.
4. The term Pseudo hookworm is often used in case of infection caused by this parasite.

IV. Very Short Answers:

(10 x 2 = 20)

1. Therapeutic malaria.
2. Neonatal varicella.
3. Von Magnus phenomenon.
4. Virioids.
5. Sexually transmitted viral diseases.
6. Hepatitis B vaccine.
7. Adler's test.
8. Guinea worm blister.
9. Anal swab for enterobiasis.
10. Visceral larva migrans.
