

M.D. DEGREE EXAMINATION
BRANCH IV – MICROBIOLOGY
PAPER III – VIROLOGY AND PARASITOLOGY

Q.P.Code: 202016

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. Mention the dead end viral infection. Brief about pathogenesis and laboratory diagnosis of Rabies. Add a note on Rabies vaccination.
2. Enumerate haemoparasites. Discuss in detail about the conventional and newer laboratory methods for diagnosis of Malaria. Add a note on advances in the field of Malarial vaccines.

II. Short notes:

(10 x 5 = 50)

1. Meyer-Kuwener syndrome.
2. QBC (Quantitative buffy coat) method.
3. Stool concentration methods.
4. Viral inclusion bodies.
5. Electron Microscopy.
6. Serum markers of Hepatitis B virus and the clinical importance.
7. Continuous cell culture.
8. SARS (Severe acute respiratory syndrome).
9. Oncogenic parasitic infection.
10. Larva migrans.

III. Reasoning Out:

(4 x 5 = 20)

1. Nucleic acid detection methods are preferred over other laboratory methods in diagnosis of Pandemic Influenza.
2. Primary Varicella antibodies are not protective in Reactivation.
3. Trophozoite detection is difficult in stored stool sample in diagnosis of Entamoeba histolytica.
4. Soil sample screening to be done during Hookworm infestation as a part of public Health importance.
