

[LS 119]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2016

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. Name the Picorna viruses. Write in detail about the laboratory diagnosis of poliomyelitis. Briefly discuss the recent advances in prophylaxis of poliomyelitis.
2. Enumerate the parasites causing infection in HIV/AIDS. Discuss in detail the life cycle, pathogenesis and laboratory diagnosis of *Strongyloides stercoralis*.

II. Short notes:

(10 x 5 = 50)

1. Sylvatic cycle in Rabies.
2. Babesiosis.
3. *Gnathostoma spinigerum*.
4. Larva migrans.
5. Genital Herpes.
6. Post exposure prophylaxis in HIV.
7. Rodent borne viruses.
8. Occult filariasis.
9. TORCH Complex.
10. LD bodies.

III. Reasoning Out:

(4 x 5 = 20)

1. Ebola viruses are handled only in BSL-4 facilities.
2. Recrudescence seen with plasmodium falciparum infection.
3. Risk of developing severe dengue is more in subsequent dengue virus infections.
4. Trophozoites of *entamoeba histolytica* are not generally seen in freshly aspirated liver pus.
