

[LQ 119]

AUGUST 2020
(MAY 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. Enumerate the emerging and re-emerging viral infections. Write in detail about the laboratory diagnosis and strategies for containment of SARS-CoV-2.
2. List out the Coccidian parasites. Discuss in detail the life cycle, pathogenesis and laboratory diagnosis of *Toxoplasma gondii*.

II. Short notes:

(10 x 5 = 50)

1. Nipah virus.
2. Filariform larvae.
3. Intestinal Bilharziasis.
4. Slow virus diseases.
5. Strategies of HIV testing.
6. Stool concentration methods.
7. Oseltamivir.
8. Malaria vaccines.
9. Hand foot and mouth disease.
10. NNN medium.

III. Reasoning Out:

(4 x 5 = 20)

1. Schizonts do not appear in peripheral blood in *Falciparum* malaria.
2. Genetic reassortment is common in Influenza virus.
3. Molar $MgCl_2$ is used in the preparation of oral polio vaccine.
4. Concentration methods not useful for detecting trophozoites in stool specimen.
