

PG (CBCS)  
M.Sc. Semester-III Examination, 2022  
MEDICAL LABORATORY TECHNOLOGY  
PAPER: MLT 304B  
(VIROLOGY & PARASITOLOGY)



Full Marks: 40

Time: 2 Hours

**GROUP-A**

Answer any **FOUR** questions:

4×2=8

1. How antigenic shift is differing from the antigenic drift?
2. What is virusoid?
3. What do you mean by negri bodies and guarnieri bodies?
4. What are different antigenic features of rabies virus?
5. What is subacute sclerosing panencephalitis (SSPE).?
6. What is the difference between obligatory and facultative parasite?
7. What is the basic principle of sandwich ELISA?
8. What are the clinical manifestations of schistosomiasis?

**GROUP-B**

Answer any **FOUR** questions:

4×4=16

9. Write down a short note on prion?
10. What are different tests conducted in the diagnosis of HIV?
11. Write down the different routes of viral infection.
12. Write a short note on one step growth curve.
13. What are the different serological tests generally performed for dengue diagnosis?
14. What is giardiasis?  
Write down the symptoms and treatment of this disease. (1+3)
15. Distinguish between amastigote and promastigote form of *Leishmania* sp. with suitable diagram.
16. Write down the different clinical manifestations are observed in patient suffer from parvo virus infection?

P.T.O.

**GROUP-C**

Answer any **TWO** questions:

**2×8=16**

17. What are the different types of clinical manifestation observed in rabies

virus? What is Herpes virus? How does it attack the body? (4+4)

18. Write down the different approaches are generally practicing for viral diagnosis.

What is herd immunity and explain its significance in case of pandemic viral infection? (5+3)

19. How HIV-1 spread in our body? Write down the different antiviral agents are utilized against HIV.

20. What do you mean by cerebral malaria?

Describe the asexual life cycle of the causative organism of this disease.

How could we control this disease?

(1+5+2)



\*\*\*\*\*