

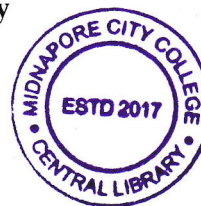
The West Bengal University of Health Sciences
M.Sc. MLT in Microbiology 2nd Year December, 2023 - January,
2024 Examination

Subject: Virology & Parasitology

Time: 3 hrs

Full Marks: 80

Attempt all questions



1. Write short notes on the following questions :

8 x 5

- a) Flootation method of stool.
- b) Microfilaria.
- c) Trophozoites of *E. histolytica*.
- d) Oncogenic virus.
- e) One step growth curve.
- f) Prion.
- g) Black water fever.
- h) Hydatid cyst.

2. Answer the following questions :

- a) What is Nested PCR? Write a short note on RIA. How do you isolate mRNA from a viral sample? 2+4+4
- b) What do you mean by virions? Write the difference between fertilized and non-fertilized eggs of *Ascaris*. State the mode of transmission of HIV infection. 2+3+5
- c) Draw a structure of trophozoite and cystic form of *G.lambliia* and describe it. 5+5
- d) Write down about the structure, mode of transmission and laboratory diagnosis of Hepatitis – B infection. 3+3+4