

M. Sc. DEGREE EXAMINATION, APRIL 2023
BIOTECHNOLOGY
SECOND SEMESTER

COURSE : ELECTIVE
PAPER : VIROLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL THE QUESTIONS

(10 x 2 = 20)

1. Give the significance of capsid.
2. Write the applications of ELISA.
3. What is meant by latent period?
4. List the applications of reverse transcriptase.
5. What are inclusion bodies?
6. Substantiate Remdesivir as a repurposing drug.
7. What are oral vaccines? Give few examples,
8. What is HBsAg?
9. Give examples of drugs used in AIDS.
10. List the variants of Covid19.

SECTION – B

ANSWER ALL THE QUESTIONS

(5 x 8 = 40)

11. a. Write a note on properties of virus.
(or)
b. Elaborate on the cloning of virus.
12. a. Briefly explain reverse transcription.
(or)
b. Discuss RNA processing.
13. a. Describe the virus - host interaction.
(or)
b. Discuss transmission of viruses.
14. a. Explain in detail encephalopathy caused by virus.
(or)
b. Gastroenteritis is caused by virus-Justify
15. a. What is viral evolution?
(or)
b. Herpes are dangerous– Justify

SECTION – C

ANSWER ANY TWO QUESTIONS IN ABOUT 1500 WORDS

(2 x 20 = 40)

16. Discuss the multiplication of virus.
17. Elaborate on tumor viruses.
18. Explain different types of vaccines and antivirals.
19. Discuss the challenges faced due to the emerging viruses.
