

D (Printed Pages 4)
(20721) Roll No.
B.Sc. (Biotech.)-III Yr.

NS-3475 (CV-II)

B.Sc. (Biotechnology) Examination,

June-2021

Molecular Virology

(B-303)

[B.Sc. (Bio-Tech.)]

Time : 1½ Hours] [Maximum Marks : 75

Note : Attempt questions from **all** Sections
as per instructions.

Section - A

(Very Short Answer Questions)

Note : Attempt any **two** questions. Each
question carries 7.5 marks. Very short
answer is required not exceeding 75

P.T.O.

words.

2×7.5=15

1. VIRON .
2. ELISA
3. Insect Vector
4. Gene silencing
5. Antiviral assay

Section - B

(Short Answer Questions)

Note : Attempt any **one** question out of
the following **three** questions. Each
question carries 15 marks. Short
answer is required not exceeding 200
words. 1×15=15

6. Give a brief account of classification of
animal viruses.

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7. Give an account of Viroids.
8. Give a brief account of structure of any plant virus read by you.

Section - C

(Detailed Answer Questions)

Note : Attempt any **two** questions out of the following **five** questions. Each question carries 22.5 marks. Answer is required in detail. $2 \times 22.5 = 45$

9. What do you mean by PCR. Write about its applications. <https://www.ccsustudy.com>
10. Describe in detail genome organisation of animal viruses and replication of DNA viruses.
11. Describe the role of electron microscopy in diagnosis of viral infection.

12. Write an essay on economic loss due to viruses.

13. Write notes on :

- (a) Immunoelectrophoresis
- (b) ISEM

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