

N (Printed Pages 3)

(20517) Roll No.

B.Sc. (Micro.) I Yr

3486

B.Sc. (Micro.) Examination, May 2017

VIROLOGY

(B-103)

Time : Three Hours / [Maximum Marks : 50

Note : Attempt any five questions. All questions carry equal marks.

1. What are bacteriophages? Describe in brief their structure and mode of replication. 10
2. Write short notes on any two : $5 \times 2 = 10$
 - (i) HIV
 - (ii) POX virus
 - (iii) Polio virus
3. What are viroids? Describe in details their structure, nature and importance. 10

P.T.O.

4. Write in brief on the following : $5 \times 2 = 10$

- (i) Retrovirus
- (ii) TMV

5. Write short notes on the following : $5 \times 2 = 10$

- (i) Biological nature of viruses
- (ii) Prions

6. Give a brief account of transmission of plant viruses. 10

7. Write brief notes on the following :

$5 \times 2 = 10$

(i) Nomenclature of viruses

(ii) General characters of virus

8. Discuss briefly the role of viruses as disease causing agent. 10

9. Write short notes on any two : $5 \times 2 = 10$

(i) T-odd phage

(ii) Dysogenic cycle

3486\2

(iii) Symptoms of virus infection in plants

19. Give a brief account of the following :

5×2=10

(i) Replication of DNA viruses

(ii) Classification of viruses