

S.No. 2004

12UMB09

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Sixth Semester

Microbiology

VIROLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Pentamer.
2. Capsid.
3. HDV.
4. Infectious hepatitis.
5. Flavi viruses.
6. CD4 cells.
7. Mosaic leaf pattern.

8. Chlorosis.
9. T₄ bacteriophage.
10. Lysogenic cycle.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a short note on viral infectivity assay.

Or

- (b) Give an account on plaque forming units.

12. (a) Write a note on vaccinia viruses.

Or

- (b) List out the symptoms of Hepatitis viruses.

13. (a) Write short notes on polio virus.

Or

- (b) Give the lab diagnosis of Dengue virus.

14. (a) List out the symptoms of potato virus.

Or

- (b) Write a short note on classification of plant viruses.

15. (a) Describe the structure of M13 bacteriophage.

Or

- (b) Give an account on bacteriophage latent period.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the isolation of viruses.

17. Give a detailed account on Lab diagnosis of CMV.

18. Briefly explain on Influenza virus.

19. Write note on the disease and symptoms of CaMV.

20. Give a detailed account on lytic cycle.
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