

Total No. of Questions :6]

SEAT No. :

[Total No. of Pages :1

P3100

[5036] - 33

M.Sc.

BIOTECHNOLOGY

BT - 33 A : Principles of Virology

(2008 Pattern) (Semester - III)

Time : 1½ Hours]

[Max. Marks :40

Instructions to the candidates:

- 1) *Answer a total of four questions selecting at least two questions from each section.*
- 2) *Answers to the sections must be written on separate answer books.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Figures to the right indicate full marks.*

SECTION - I

- Q1)** a) Give detail account of Baltimore classification of viruses. [5]
b) Explain ultrastructure of pox virus. [5]
- Q2)** a) Give comparative account of lytic and lysogenic cycle. [5]
b) Explain replication of polio virus. [5]
- Q3)** Write explanatory note on. [10]
a) Molecular technique for viral diagnosis.
b) Clinical trial of viral vaccines.

SECTION - II

- Q4)** a) Discuss epidemiology of Measles. [5]
b) Explain the role of zika virus as an agent of new emerging viral disease. [5]
- Q5)** a) Explain immunopathogenesis of HIV. [5]
b) Discuss morphology & replication of any plant virus. [5]
- Q6)** Write explanatory note on: [10]
a) Nipah virus
b) Avian influenza.

