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MBH 401

I Semester M.Sc. Degree Examination, December 2018
MICROBIOLOGY (CBCS-PG-CGPA)
Virology

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following :

(3×10=30)

- 1) Describe the ultra structure of virion. Add a note on different types of nucleic acids.
- 2) Describe epidemiology, symptoms and control measures of SARS virus.
- 3) Explain various physical assays used in detection of viruses.
- 4) Discuss the symptomatology, transmission and the control measures of BCMV.
- 5) Write an account on cell culture techniques used for cultivation of viruses.

II. Write a note on **any five** of the following :

(5×5=25)

- 6) ICTV classification of viruses.
- 7) Dot immunobinding assay.
- 8) HIV.
- 9) Maintenance of plant viruses.
- 10) Symptoms and transmission of BCMV.
- 11) Plaque assay.
- 12) Lysogenic cycle.
- 13) Host plant inoculation test.

P.T.O.



III. Write short notes on **any five** of the following :

(5×3=15)

- 14) Capsomere.
 - 15) RNA viruses.
 - 16) Ebola virus.
 - 17) Secondary antibody.
 - 18) Phosphotungstic acid.
 - 19) Immunofluorescence.
 - 20) Zica virus.
 - 21) SMV.
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