PG Odd Semester (CBCS) Exam., December—2018

MICROBIOLOGY

(1st Semester)

Course No. : MIBCC–103

(Virology)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. Describe multiplication of viruses with the help of diagram. 14

2. Enumerate antiviral agents and their mode of action. 14

UNIT—II

3. What are lytic phages? Describe the life cycle of lytic phages with example. 14

4. Describe the structure of bacteriophage with suitable diagram. Add a note on phage therapy. 10+4=14

UNIT—III

5. Describe viral infectivity assay methods. 14

6. Enumerate immunological methods used for detection of viral infection. 14

UNIT—IV

7. Describe the symptoms of plant virus infection. 14

8. Describe serological methods for detection of plant virus infection. 14

UNIT—V

9. Describe the mode of transmission and clinical condition of HIV infection. 14

10. Write short notes on the following : 7×2=14

(a) Polio

(b) Influenza virus

★ ★ ★