PG Odd Semester Examination, March, 2023

MICROBIOLOGY

(1st Semester)

Course No.: MIBCC-503

(Virology)

Full Marks: 70

Pass Marks : 28

Time: 3 hours

The figures in the margin indicate full marks for the questions. Answer any five question taking one from each unit.

UNIT-I

1. Describe structure of virus with suitable diagram and example. 14

2. Write a note on : 7+7=14

   (i) Viroids and virusoids

   (ii) Prions

UNIT-II

3. Describe lysogenic cycle of bacteriophage with diagram. 14

4. Write a note on : 7+7=14

   (i) Phage theraphy

   (ii) One step growth curve

UNIT-III

5. Describe molecular methods used for diagnosis of viral infections. 14

6. Write a note on : 7+7=14

   (i) Cytopathic effect

   (ii) Infectivity assay

UNIT-IV

7. Describe different modes of transmission of plant virus infection with example. 14

8. Write a note on 7+7=14

   (i) TMV

   (ii) Cauliflower mosaic virus

UNIT-V

9. Discuss various Herpes virus infections and their prevention. 14

10. Write a note on : 7+7=14

    (i) Polio virus

    (ii) Influenza virus.

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