

**21MBL3G1CL**

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Sl. No.

**M.Sc. III Semester Degree Examination, April/May - 2024**

**MICROBIOLOGY**

**Virology and Covidology**

**(NEP)**

Time : 1 Hour

Maximum Marks : 30

**Note :** Answer *all* the Sections.

**SECTION - A**

Answer **all** the **5** questions each **one** carries **1** mark.

**5x1=5**

1. (a) Expand ICTV
- (b) Capsomere
- (c) Peplomers
- (d) Prophage
- (e) SARS COV 2

**SECTION - B**

Answer **any 5** questions each **one** carries **2** marks.

**5x2=10**

2. Properties of virus.
3. Structure of virus.
4. Corona virus
5. Plaque assay
6. Complement fixation
7. Mutated Corona virus.
8. Expand PCR and RTPCR.



**P.T.O.**

**SECTION - C**

Answer **any 3** questions each **one** carries **5** marks.

**3x5=15**

9. Explain the Lysogenic cycle of Bacteriophage.
10. Describe the cultivation of virus on chick embryo.
11. Explain the principle of RTPCR.
12. Explain the symptoms and diagnosis of COVID 19.
13. Differentiate between ELISA and sandwich ELISA.

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