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Total No. of Pages : 02

Total No. of Questions : 11

M.Sc. (BT) EL-I (2018 Batch) (Sem.-1)

VIRUSES AND HUMAN DISEASES

Subject Code : MBT-113

Paper ID : [75666]

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SEVEN questions carrying SIX marks each and students have to attempt any FIVE questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a. Explain Epidemiology.
- b. Differentiate enveloped virus from non-enveloped viruses.
- c. Write full form of JEV and SARS.
- d. What are the causes of influenza viruses?
- e. Define Lytic cycle.
- f. Explain measles.
- g. Define acquired immunity.
- h. What do you mean by vaccination?
- i. Define helical symmetry of virus with example.
- j. Write symptoms of Dengue.

SECTION-B

2. Give a brief account on viral multiplication and translation.
3. Write a detailed note on AIDS.
4. Discuss in brief Innate immunity.
5. Give a brief account on classification of vaccines.
6. Describe in brief retroviruses.
7. Write a note on :
 - a. Plaque assay
 - b. Viral vector
8. Give a brief account on viral classification.

SECTION-C

9. Discuss in detail the processes of viral pathogenesis.
10. Give an illustrated account on :
 - a. Mumps
 - b. Polio
11. Discuss in detail :
 - a. Monkey pox virus
 - b. SARS coronavirus