Roll No.							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 measeles.
- g. Define acquired immunity.
- h. What do you mean by vaccination?
- i. Define helical symmetry of virus with example.
- j. Write symptoms of Dengue.

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

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