



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI Date: 07.07.2020

Bacteriophages, Viroid and prions

F.M:15

WORKSHEET – 19

(1x15=15)

- i) Viruses that attack bacteria are called-
- (1) **Bacteriophage** (2) Mycophage (3) Cyanophage (4) Phycophage
- ii) Which of the following is a bacteriophage that attacks *Escherichia coli* in the colon?
- (1) Mycophage (2) Phycophage (3) **Coliphage** (4) Cyanophage
- iii) Bacteriophage T2 has _____ symmetry
- (1) Helical (2) Icosahedral (3) **Binal** (4) All of these
- iv) Which of the following symmetry is present in the head of the bacteriophage T2?
- (1) Helical (2) **Cuboidal** (3) Dual (4) None of these
- v) The genetic material in bacteriophage T2 is
- (1) dsRNA (2) ssRNA (3) **dsDNA** (4) ssDNA
- vi) In the nucleotides of bacteriophage T2 hydroxy methyl cytosine replaces
- (1) Adenine (2) Guanine (3) **Cytosine** (4) Thiamine
- vii) The proximal part of the tail is attached to
- (1) Head (2) **Neck** (3) Spikes (4) Base Plate
- viii) The central hollow tube in the tail is attached to?
- (1) Central tube (2) Tail tube (3) **Core tube** (4) None of these
- ix) The tail sheath contains _____ rings arranged
- (1) 200 (2) 8 (3) **25** (4) 100
- x) Which of the following enzymes are present in the core
- (1) **Phosphatase** (2) Proteinase (3) RNase (4) Nuclease
- xi) The spikes and tail fibres help in
- (1) **Attachment of virus to the host** (2) Infection (3) Replication of the genetic material (4) All of these
- xii) Which of these is not true about the extracellular virions?
- (1) Has nucleic acid and capsid (2) **Can form progeny virions** (3) Can enter the host cell (4) Complete virus particle
- xiii) Viroid contains
- (1) Protein coat (2) DNA (3) dsRNA (4) **ssRNA**
- xiv) Which of the following is not caused by viroid?
- (1) Potato Spindle Tuber (2) Cucumber Pale Fruit (3) Citrus exocortis (4) **Mad Cow disease**
- xv) Prions are-
- (1) DNA (2) RNA (3) **Proteins** (4) All of these

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