

BACHELOR OF SCIENCE (LABORATORY SCIENCES) (CBCS - 2019 COURSE)
B.Sc. (Lab Sci) Sem-VI :SUMMER- 2022
SUBJECT : VIROLOGY

Day : Friday
Date : 29-07-2022

S-22582-2022

Time : 10:00 AM-12:00 PM
Max. Marks : 10

N.B.:

- 1) There are three sections as
Section – A = Objective Type questions - **20 Marks**
Section – B = Long Answer questions -
Section – C = Short Answer questions -
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet. This sheet should be completed with the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section B has four long questions and **ANY TWO** questions have to be answered.
- 4) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 5) You have to make such kind of mark in the box of the appropriate answers.

Seat No. : _____

SECTION – A

M.C.Q's

- 1) Mode of transmission of Polio virus
 - a) Feco-oral
 - b) Respiratory
 - c) Direct contact
 - d) All of the above
- 2) Which of the following test/tests are done for viral diagnosis?
 - a) ELISA
 - b) Cell line culture
 - c) Rapid Immunochromatography
 - d) All of the above
- 3) Which of the following effect causes changes in the host cell due to virus?
 - a) Cytopathic effect
 - b) Kappa effect
 - c) Peltzman effect
 - d) Hypersonic effect
- 4) Which of the following causes German measles?
 - a) HIV
 - b) Influenza
 - c) Corona
 - d) Rubella

P.T.O.

- 5) Which of the following infection is caused by mosquito bite?
- a) Dengue
 - b) AIDS
 - c) Typhoid
 - d) None of the above
- 6) In which of the following process, bacteriophage may act as carrier of genes from one bacteria to another
- a) Transformation
 - b) Transduction
 - c) Conjugation
 - d) Transposition
- 7) HIV-1 is a member of _____ family.
- a) retroviridae
 - b) arenaviridae
 - c) filoviridae
 - d) flaviviridae
- 8) Which of the following virus affects the liver?
- a) HAV
 - b) HIV
 - c) HSV
 - d) EBV
- 9) The herpesvirus virion's inner core is surrounded by _____.
- a) amorphous legument
 - b) icosahedral capsid
 - c) envelope
 - d) spikes
- 10) Which of the following is the most widely used vaccine for the prevention of poliomyelitis?
- a) OPV
 - b) MMR
 - c) COD
 - d) POR

Total Marks Obtained : _____

Signature of Invigilator : _____

Signature of Examiner : _____

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Max. Marks : **40**

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- 1) There are three sections as
Section – A = Objective Type questions - 20 marks.
Section – B = Long Answer questions - 20 marks.
Section – C = Short Answer questions - 20 marks.
- 2) Section B has four long questions and **ANY TWO** questions have to be answered.
- 3) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 4) Answers to both the section should be written in the **SEPARATE** answer books.

SECTION – B

Long answer questions (Attempt **ANY TWO**):

[20]

- 1) Describe pathogenesis and laboratory diagnosis Hepatitis B.
- 2) Describe pathogenesis and laboratory diagnosis of Rabies.
- 3) Bacteriophages
- 4) Quality control in laboratory

SECTION – C

Short answer questions (Attempt **ANY FOUR**) :

[20]

- 1) Polio
- 2) Chikungunya
- 3) Needle stick injury
- 4) Laboratory diagnosis of HIV
- 5) Cultivation of viruses
- 6) Laboratory diagnosis of influenza viruses

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