



RAN - 2103000203026003



RAN-2103000203026003

S. Y. B. Sc. (Sem. - III) Examination

March - 2023

Microbiology : Paper - MB-303

Virology

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. B. Sc. (Sem. - III)

Name of the Subject :

Microbiology : Paper - MB-303 Virology

Subject Code No.: **2103000203026003**

Seat No.:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Student's Signature

- (2) This exam contains 50 MCQs, each worth 1 mark.
(3) Choose only ONE most appropriate answer per question.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

- Q. 1.** Free viruses require which component to copy or transcribe the viral genetic material?
- PCR machine
 - Bacterial genome
 - Host's machinery
 - Vaccine
- Q. 2.** Which types of viruses will be passed on from generation to generation?
- Viruses that insert themselves into egg producing cells
 - Viruses that insert themselves into kidney cells
 - Viruses that insert themselves into brain cells
 - Viruses that insert themselves into Red blood cells
- Q. 3.** From the following which one cannot be infected by a virus?
- Virus
 - Bacteria
 - Plant
 - Protozoa
- Q. 4.** In which part of the warm-blooded animals a Rabies virus can attack?
- Digestive system
 - Central nervous system
 - Kidney
 - Heart
- Q. 5.** Papillomaviruses, which cause warts, infect which cells?
- Kidney cells
 - Skin cells
 - Brain cells
 - Lungs cells
- Q. 6.** A complete virus particle is called as _____.
- Compvirus
 - Virion
 - Viruson
 - Pirvir
- Q. 7.** The discovery that a given virus can cause varying symptoms in several different body systems made the _____ concept untenable. Fill the blank space with correct option.
- “One virus, one disease”
 - “Giant virus, one disease”
 - “One virus, many disease”
 - “Virus, corona disease”
- Q. 8.** Tobacco mosaic virus consists of how many nucleotides?
- 6400
 - 64000
 - 64
 - 640
- Q. 9.** Specificity of virus is affected by which factor?
- Host enzymes and other proteins required for virus replication
 - pH of the environment
 - Host cell length
 - DNA length

- Q. 37.** The reactivation of herpesvirus results in
- Nerve damage
 - Cold and Fever
 - Immunosuppression
 - Shingles
- Q. 38.** The synthesis of capsid in herpesvirus takes place in _____ hour.
- 16 to 24
 - 12 to 16
 - 4 to 8
 - 8 to 16
- Q. 39.** The agent that induces teratogenesis is known as _____.
- Hepatogen
 - Teratogenesom
 - Teratogen
 - Transmission
- Q. 40.** Which of the following virus is known to induce teratogenesis?
- Mumps
 - Rabis
 - Cytomegalovirus
 - Polio virus
- Q. 41.** Which viruses use a helper virus to supply the necessary components to produce more virions?
- Dependoviruses
 - Helpviruses
 - Deepviruses
 - Paraviruses
- Q. 42.** _____ are known as virusoids.
- Viroids
 - Satellite viruses
 - Satellite nucleic acid
 - Prions
- Q. 43.** Genome of satellite is _____.
- dsRNA
 - ssRNA
 - ssDNA
 - ds DNA
- Q. 44.** In 1987, who received both the Nobel Prize in medicine and the Columbia University Louisa Gross Horwitz Prize for his work with prions?
- Prusiner
 - D. Edward
 - Kovind
 - Hemlate
- Q. 45.** Which disease is commonly called as mad cow disease?
- Bovine Spongiform Encephalitis
 - Kuru
 - Alzheimer's Disease
 - Chrysanthemum stunt disease

- Q. 46.** From the following which disease is not caused by prion?
- a. Spongiform Encephalitis
 - b. Kuru
 - c. Creutzfeldt-Jakob disease
 - d. Chrysanthemum stunt disease
- Q. 47.** Genome of Tobacco mosaic Virus is _____.
- a. (-) strand RNA
 - b. (-) strand DNA
 - c. (+) strand RNA
 - d. (+) strand DNA
- Q. 48.** Which virus can cultivate in protoplast culture of plant cell?
- a. Bacteriophage
 - b. Virophage
 - c. Tobacco mosaic virus
 - d. Teratogophage
- Q. 49.** Baculovirus is used instead of chemical pesticides to kill insects due to which reason?
- a. They attack only vertebrates
 - b. These viruses have a poor shelf life
 - c. They become inactive larval tissue
 - d. They attack only invertebrates
- Q. 50.** Which family of viruses can able to infect photosynthetic protists?
- a. *Coronaviridae*
 - b. *Heptaviridae*
 - c. *Phycodnaviridae*
 - d. *Myoviridae*
-

SPACE FOR ROUGH WORK