

VU Medical Zone

BT 601 Quiz 1 Fall 2021

BT601 - Virology (Quiz #1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 1 of 15 (Start time: 11:05:27 PM, 23 December 2021)

Total Marks: 1

10. Viral genome is packaged in a protein coat called as -----

Select the correct option

☐

Lipid Membrane

☒

Capsid

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Capsule

☐

Envelope

Type here to search



12°C Smoke 11:06 PM 12/23/2021

BT601 - Virology (Quiz #1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 2 of 15 (Start time: 11:05:57 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is responsible for altered virulence?

Select the correct option

☐

Deletions

☐

Non-Sense

☐

Host Range

☒

Biochemical Markers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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12°C Smoke 11:07 PM 12/23/2021

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VU Medical Zone

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 3 of 15 (Start time: 11:06:26 PM, 23 December 2021)

Total Marks: 1

Which one of the following statements is not true regarding Dark-field microscopy?

Select the correct option

☒ The specimen appears black against a light background

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐ Excludes the unscattered beam from the image

☐ Used for live microorganisms that are invisible in the ordinary light microscope

☐ Used for live microorganisms that cannot be stained

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 4 of 15 (Start time: 11:07:52 PM, 23 December 2021)

Total Marks: 1

SAM microscopy was developed in _____.

Select the correct option

☒ 1974

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐ 1894

☐ 1994

☐ 1984

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BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 5 of 15 (Start time: 11:08:30 PM, 23 December 2021)

Total Marks: 1

Which one of the following mutant types can only revert to wild-type by recombination?

Select the correct option

☐

Plaque morphology

☐

Host Range

☐

Biochemical Markers

☒

Deletions

Answer solved by Amaan Khan

Contact: 0305-4716616

Email: maniamaan2@gmail.com

BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 6 of 15 (Start time: 11:09:00 PM, 23 December 2021)

Total Marks: 1

Viral genome packaging is usually preformed through _____.

Select the correct option

☐

Receptor

☒

Capsid

Answer solved by Amaan Khan

Contact: 0305-4716616

Email: maniamaan2@gmail.com

☐

Membrane

☐

Envelope

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BT601 - Virology (Quiz #1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 7 of 15 (Start time: 11:10:06 PM, 23 December 2021)

Total Marks: 1

Interaction of virus with host cell can cause -----

Select the correct option

☒

All of the given options.

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

No damage

☐

Cell death

☐

Cell damage

Type here to search



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BT601 - Virology (Quiz #1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 8 of 15 (Start time: 11:11:03 PM, 23 December 2021)

Total Marks: 1

Which one of the following techniques is used to reconstruct three-dimensional images?

Select the correct option

☐

Light microscopy

☐

Fluorescent microscopy

☐

Nomarski interference contrast microscopy

☒

Confocal microscopy

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 9 of 15 (Start time: 11:11:19 PM, 23 December 2021)

Total Marks: 1

Complex symmetry of viruses is _____

Select the correct option



Neither helical nor icosahedral

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Either helical or icosahedral



Icosahedral



Helical

Type here to search

BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 10 of 15 (Start time: 11:11:50 PM, 23 December 2021)

Total Marks: 1

Which one of the following is true about viral recombination?

Select the correct option



Can also occur between virus and host

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Occur in host cell only



Occur in bacteriophage only



Occur in virus only

Type here to search

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 11 of 15 (Start time: 11:12:39 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is responsible for drug resistance mutations?

Select the correct option

- ☐ Deletions
- ☐ Non-Sense
- ☐ Host Range
- ☒ Biochemical Markers

Answer solved by Amaan Khan

Contact: 0305-4716616

Email: maniamaan2@gmail.com

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 12 of 15 (Start time: 11:13:18 PM, 23 December 2021)

Total Marks: 1

Mutation rate is _____ in Herpes virus.

Select the correct option

- ☐ Low
- ☐ High
- ☒ Very low
- ☐ Very high

Answer solved by Amaan Khan

Contact: 0305-4716616

Email: maniamaan2@gmail.com

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 13 of 15 (Start time: 11:13:36 PM, 23 December 2021)

Total Marks: 1

There are ____ stop codons.

Select the correct option

☐

Two

☐

Five

☒

Three

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Six

Type here to search



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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 14 of 15 (Start time: 11:13:50 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is responsible for altered proteins?

Select the correct option

☐

Non-Sense

☒

Biochemical Markers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Host Range

☐

Deletions

Type here to search



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BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:05 PM, 23 December 2021

Question # 15 of 15 (Start time: 11:14:16 PM, 23 December 2021)

Total Marks: 1

Which one of the following is an enveloped virus?

Select the correct option



Herpes Virus

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Polio virus



Coxsackie viruses



Hepatitis A virus

Type here to search

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BT601 - Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 1 of 15 (Start time: 11:19:20 PM, 23 December 2021)

Total Marks: 1

Reverse mutations result into _____.

Select the correct option



Cold Sensitive mutant



Reverent

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Temperature sensitive mutant



Plaque morphology mutant

Type here to search

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 2 of 15 (Start time: 11:19:54 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is responsible for Polymorphism?

Select the correct option

☐

Non-Sense

☒

Biochemical Markers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Deletions

☐

Host Range

Type here to search

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 3 of 15 (Start time: 11:20:21 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is responsible for altered virulence?

Select the correct option

☒

Biochemical Markers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Host Range

☐

Non-Sense

☐

Deletions

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

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BT601 - Virology (Quiz #1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 4 of 15 (Start time: 11:20:39 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is similar to non-sense mutation?

Select the correct option

☒

Deletions

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Biochemical Markers

☐

Plaque morphology

☐

Host Range

Type here to search

BT601 - Virology (Quiz #1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 5 of 15 (Start time: 11:21:05 PM, 23 December 2021)

Total Marks: 1

Dissociation and re-establishment of covalent bonds with nucleic acids occur in _____.

Select the correct option

☐

Deletion mutation

☐

Mis-sense mutation

☒

Viral recombination

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Non-sense mutation

Type here to search

BT601 - Virology (Quiz #1)

Quiz Start Time: 11:19 PM, 23 December 2021

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 6 of 15 (Start time: 11:22:01 PM, 23 December 2021)

Total Marks: 1

Which animal species are used for vaccine trials?

Select the correct option

☐

Guinea pig

☒

All of the given options:

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Monkey

☐

Rabbit

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 7 of 15 (Start time: 11:23:00 PM, 23 December 2021)

Total Marks: 1

In vivo experiments are carried out using _____

Select the correct option

☒

Guinea pig

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Liquid culture

☐

Cell culture

☐

Tissue culture

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 8 of 15 (Start time: 11:24:39 PM, 23 December 2021)

Total Marks: 1

There are ____ stop codons.

Select the correct option

☐

Five

☐

Two

☐

Six

☒

Three

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 9 of 15 (Start time: 11:24:56 PM, 23 December 2021)

Total Marks: 1

Which one of the following is true about viral capsid?

Select the correct option

☐

Act as antigen

☒

Protect the viral genome

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Initiate immune response

☐

Play role in virulence

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BT601 - Virology (Quiz #1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 10 of 15 (Start time: 11:25:57 PM, 23 December 2021)

Total Marks: 1

Which one of the following is a stop codon?

Select the correct option

☐

AUA

☒

UAA

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

AUG

☐

UGG

BT601 - Virology (Quiz #1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 11 of 15 (Start time: 11:26:37 PM, 23 December 2021)

Total Marks: 1

Two photon microscopy allows imaging of living tissue up to _____ in depth.

Select the correct option

☐

0.2 mm

☐

0.1 mm

☒

0.1 cm

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

0.2 cm

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 12 of 15 (Start time: 11:26:52 PM, 23 December 2021)

Total Marks: 1

Which one of the following techniques is used to reconstruct three-dimensional images?

Select the correct option

☐

Namarski interference contrast microscopy

☒

Confocal microscopy

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Fluorescent microscopy

☐

Light microscopy

Type here to search

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 13 of 15 (Start time: 11:27:09 PM, 23 December 2021)

Total Marks: 1

Which one of the following is the correct definition of fluorescence?

☐

The ability of substances to absorb long wavelengths of light and convert it to shorter wavelength

☐

The ability of substances to absorb light

☒

The ability of substances to absorb short wavelengths of light and convert it to longer wavelength

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

The ability of substances to absorb visible light and convert it to UV light

Type here to search

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 14 of 15 (Start time: 11:28:19 PM, 23 December 2021)

Total Marks: 1

Which one of the following techniques makes use of electron beam instead of light?

Select the correct option

☐

Confocal microscopy

☐

Nomarski interference contrast microscopy

☒

Scanning Electron microscopy

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Fluorescent microscopy

Type here to search

BT601 – Virology (Quiz # 1)

Quiz Start Time: 11:19 PM, 23 December 2021

Question # 15 of 15 (Start time: 11:28:53 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is induce sensitivity to inactivating agents?

Select the correct option

☐

Non-Sense

☐

Host Range

☒

Biochemical Markers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Deletions

Type here to search

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 1 of 15 (Start time: 10:48:55 PM, 23 December 2021)

Total Marks: 1

Sub-units of capsid are _____.

Select the correct option



Protomers

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Nucleotides



Fatty-acids



Lipids

Type here to search

BT601 – Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 2 of 15 (Start time: 10:49:52 PM, 23 December 2021)

Total Marks: 1

Which one of the following techniques is used to reconstruct three-dimensional images?

Select the correct option



Fluorescent microscopy



Confocal microscopy

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Light microscopy



Namarski interference contrast microscopy

Type here to search

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BT601 - Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 3 of 15 (Start time: 10:50:44 PM, 23 December 2021)

Total Marks: 1

Which one of the following types may include one or more viral genes?

Select the correct option

☐ Biochemical Markers

☐ Host Range

☐ Plaque morphology

☒ Deletions

Answer solved by Amaan Khan
Contact: 0305-4716616

Email: maniamaan2@gmail.com

BT601 - Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 4 of 15 (Start time: 10:51:38 PM, 23 December 2021)

Total Marks: 1

10. Viral genome is packaged in a protein coat called as _____.

Select the correct option

☐ Envelope

☒ Capsid

Answer solved by Amaan Khan

Contact: 0305-4716616

Email: maniamaan2@gmail.com

☐ Lipid Membrane

☐ Capsule

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BT601 – Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 5 of 15 (Start time: 10:52:15 PM, 23 December 2021)

Total Marks: 1

Which one of the following types is similar to non-sense mutation?

Select the correct option

☐

Host Range

☒

Deletions

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Biochemical Markers

☐

Plaque morphology

Type here to search

BT601 – Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 6 of 15 (Start time: 10:52:44 PM, 23 December 2021)

Total Marks: 1

Which one of the following mutant types can only revert to wild-type by recombination?

Select the correct option

☒

Deletions

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Host Range

☐

Biochemical Markers

☐

Plaque morphology

Type here to search

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BT601 - Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 7 of 15 (Start time: 10:53:16 PM, 23 December 2021)

Total Marks: 1

Which one of the following types of mutants are useful for bacteriophages?

Select the correct option

☐ Temperature sensitive

☐ Deletions

☐ Biochemical Markers

☒ Cold Sensitive

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT601 - Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 8 of 15 (Start time: 10:54:08 PM, 23 December 2021)

Total Marks: 1

Which one of the following mutant types induce alteration of coding sequence of one of the three stop codons?

Select the correct option

☒ Non-Sense

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐ Biochemical Markers

☐ Host Range

☐ Deletions

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Question # 9 of 10 (Start time: 10:04:30 PM, 23 December 2021)

Total Marks: 1

Two photon microscopy allows imaging of living tissue up to _____ in depth.

Select the correct option

☐	0.1 mm
☐	0.2 mm
☒	0.1 cm
☐	0.2 cm

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

[Click to Save Answer & Move to Next Question](#)

Type here to search

BT601 - Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 10 of 15 (Start time: 10:56:09 PM, 23 December 2021)

Total Marks: 1

Helical virus is just like hollow tubes having walls made up of _____.

Select the correct option

☐	Lipids
☐	Carbohydrates
☒	Protein
☐	Cholesterol

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT601 - Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 11 of 15 (Start time: 10:57:08 PM, 23 December 2021)

Total Marks: 1

Which one of the following statements is correct regarding the viral genome?

Select the correct option

☐

Neither Single stranded nor Double stranded

☒

Either Single stranded or Double stranded

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Single stranded

☐

Double stranded

Type here to search

BT601 - Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 12 of 15 (Start time: 10:57:26 PM, 23 December 2021)

Total Marks: 1

Tobacco Mosaic Virus has _____ symmetry.

Select the correct option

☐

Complex

☐

Icosahedral

☒

Helical

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Polyhedral

Type here to search

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BT601 – Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 13 of 15 (Start time: 10:58:19 PM, 23 December 2021)

Total Marks: 1

How many beams of light are used in DIC microscope?

Select the correct option



two

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



Infinite



one



three

Type here to search



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BT601 – Virology (Quiz # 1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 14 of 15 (Start time: 10:59:05 PM, 23 December 2021)

Total Marks: 1

Mutation rate is _____ in Herpes virus.

Select the correct option



Low



Very high



Very low

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com



High

Type here to search



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BT601 – Virology (Quiz #1)

Quiz Start Time: 10:48 PM, 23 December 2021

Question # 15 of 15 (Start time: 11:00:44 PM, 23 December 2021)

Total Marks: 1

Viruses having the ability to lie dormant within host cell are called _____.

Select the correct option

☐

Virulent viruses

☐

Lytic viruses

☒

Pathogenic viruses

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

☐

Latent viruses