

VU Medical Zone

BT 601 Quiz 1 Spring 2022

BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 1 of 10 (Start time: 11:49:48 PM, 14 June 2022)

Total Marks: 1

Which one of the following statements is more appropriate?

Select the correct option

- ☐ viruses attack specific species
 - ☐ viruses attack all cell types within a specific host
 - ☐ viruses attack specific organs
 - ☒ viruses attack specific cells
- Answers Solved By Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 2 of 10 (Start time: 11:50:48 PM, 14 June 2022)

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
 - ☐ Double stranded
 - ☐ Single stranded
- Answers Solved By Amaan Khan**
Contact: 0305-4716616
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EFFORT BY AMAAN KHAN

VU Medical Zone

BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 3 of 10 (Start time: 11:51:04 PM, 14 June 2022)

Total Marks: 1

Microscope was firstly developed by _____

Select the correct option

☒	Antonie van Leeuwenhoek	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Edward Jenner	
☐	Beijenck	
☐	Louis Pasteur	

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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 4 of 10 (Start time: 11:51:15 PM, 14 June 2022)

Total Marks: 1

In case of _____, specimen is placed on a Copper mesh grid.

Select the correct option

☐	Scanning Electron microscopy	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Fluorescent microscopy	
☒	Transmission Electron Microscopy	
☐	Scanning Acoustic Microscopy	

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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 5 of 10 (Start time: 11:51:41 PM, 14 June 2022)

Total Marks: 1

Which species can suffer from Bird flu?

Select the correct option

- | | |
|----------------------------------|------------------|
| ☐ | Humans |
| ☒ | Birds and humans |
| ☐ | Birds |
| ☐ | Mammals |

Answers Solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 6 of 10 (Start time: 11:52:04 PM, 14 June 2022)

Total Marks: 1

Which one of the following is correct about the icosahedral symmetry of viruses?

Select the correct option

- | | |
|----------------------------------|--------------------------------------|
| ☐ | Polygon with 30 corners and 20 sides |
| ☐ | Hexagon with 30 edges and 12 faces |
| ☒ | Polygon with 12 corners and 20 sides |
| ☐ | Hexagon with 12 corners and 20 faces |

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 7 of 10 (Start time: 11:52:54 PM, 14 June 2022)

Total Marks: 1

Baltimore classification based upon _____

Select the correct option

☒	Genetic material	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Host range	
☐	Origin of viruses	
☐	Capsid structure	

BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 8 of 10 (Start time: 11:53:08 PM, 14 June 2022)

Total Marks: 1

Which component of microscope help to focus light on specimen?

Select the correct option

☒	Condenser	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Arm	
☐	Diaphragm	
☐	Coarse focusing knob	

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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 9 of 10 (Start time: 11:54:21 PM, 14 June 2022)

Total Marks: 1

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

Select the correct option

☐	Nomarski interference contrast microscopy	
☐	Light microscopy	
☒	Confocal microscopy	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Fluorescent microscopy	

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BT601:Quiz 1

Quiz Start Time: 11:49 PM, 14 June 2022

Question # 10 of 10 (Start time: 11:54:39 PM, 14 June 2022)

Total Marks: 1

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

Select the correct option

☐	The ability of substances to absorb light	
☐	The ability of substances to absorb long wavelengths of light and convert it to shorter wavelength	
☒	The ability of substances to absorb short wavelengths of light and convert it to longer wavelength	Answers 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	

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 1 of 10 (Start time: 11:42:46 PM, 14 June 2022)

Total Marks: 1

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

Select the correct option

- ☐ Fluorescent microscopy
- ☐ Nomarski interference contrast microscopy
- ☐ Confocal microscopy
- ☒ Scanning Electron microscopy

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 2 of 10 (Start time: 11:43:31 PM, 14 June 2022)

Total Marks: 1

Tobacco Mosaic Virus has _____ symmetry.

Select the correct option

- ☐ Polyhedral
- ☐ Complex
- ☒ Helical
- ☐ Icosahedral

Answers Solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 3 of 10 (Start time: 11:44:36 PM, 14 June 2022)

Total Marks: 1

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

Select the correct option

☒	Confocal microscopy	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Fluorescent microscopy	
☐	Nomarski interference contrast microscopy	
☐	Light microscopy	

BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 4 of 10 (Start time: 11:45:02 PM, 14 June 2022)

Total Marks: 1

How many beams of light are used in DIC microscope?

Select the correct option

☐	three	
☐	Infinite	
☒	two	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	one	

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 5 of 10 (Start time: 11:45:36 PM, 14 June 2022)

Total Marks: 1

Complex symmetry of viruses is ____.

Select the correct option

☒	Neither helical nor icosahedral	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Icosahedral	
☐	Either helical or icosahedral	
☐	Helical	

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 6 of 10 (Start time: 11:46:12 PM, 14 June 2022)

Total Marks: 1

Viral infections in plants are mostly transmitted by ____.

Select the correct option

☐	Seeds	
☒	Vectors	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Direct contact	
☐	Wounds	

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BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 7 of 10 (Start time: 11:46:54 PM, 14 June 2022)

Total Marks: 1

Which animal species are used for vaccine trials?

Select the correct option

- | | |
|----------------------------------|--------------------------|
| ☐ | Rabbit |
| ☐ | Guinea pig |
| ☒ | All of the given options |
| ☐ | Monkey |

Answers Solved By Amaan Khan
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Email: maniamaan2@gmail.com

BT601:Quiz 1

Quiz Start Time: 11:42 PM, 14 June 2022

Question # 8 of 10 (Start time: 11:47:46 PM, 14 June 2022)

Total Marks: 1

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

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | Lipids |
| ☐ | Carbohydrates |
| ☐ | Cholesterol |
| ☒ | Protein |

Answers Solved By Amaan Khan
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BT601:Quiz 1

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Question # 9 of 10 (Start time: 11:48:11 PM, 14 June 2022)

Total Marks: 1

Microscope was firstly developed by _____

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☒	Antonie van Leeuwenhoek	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Louis Pasteur	
☐	Beijenck	
☐	Edward Jenner	

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Question # 10 of 10 (Start time: 11:48:41 PM, 14 June 2022)

Total Marks: 1

Baltimore classification based upon _____

Select the correct option

☐	Host range	
☒	Genetic material	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Origin of viruses	
☐	Capsid structure	

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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 1 of 10 (Start time: 12:03:11 AM, 15 June 2022)

Total Marks: 1

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

Select the correct option

- ☐ Used for live microorganisms that cannot be stained
- ☐ Excludes the unscattered beam from the image
- ☐ Used for live microorganisms that are invisible in the ordinary light microscope
- ☒ The specimen appears black against a light background

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 2 of 10 (Start time: 12:04:41 AM, 15 June 2022)

Total Marks: 1

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

Select the correct option

- ☐ Confocal microscopy
- ☐ Fluorescent microscopy
- ☐ Nomarski interference contrast microscopy
- ☒ Scanning Electron microscopy

Answers Solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 3 of 10 (Start time: 12:04:54 AM, 15 June 2022)

Total Marks: 1

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

Select the correct option

☐	Envelope
☒	Capsid
☐	Lipid Membrane
☐	Capsule

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 4 of 10 (Start time: 12:05:08 AM, 15 June 2022)

Total Marks: 1

Which component of microscope help to focus light on specimen?

Select the correct option

☐	Arm
☐	Coarse focusing knob
☐	Diaphragm
☒	Condenser

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 5 of 10 (Start time: 12:05:20 AM, 15 June 2022)

Total Marks: 1

Which one of the following is correct about the icosahedral symmetry of viruses?

Select the correct option

☐	Hexagon with 30 edges and 12 faces
☐	Polygon with 30 corners and 20 sides
☒	Polygon with 12 corners and 20 sides
☐	Hexagon with 12 corners and 20 faces

Answers Solved By Amaan Khan
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Quiz Start Time: 12:03 AM, 15 June 2022

Question # 6 of 10 (Start time: 12:05:33 AM, 15 June 2022)

Total Marks: 1

Tobacco Mosaic Virus has _____ symmetry.

Select the correct option

☒	Helical
☐	Complex
☐	Icosahedral
☐	Polyhedral

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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 7 of 10 (Start time: 12:05:46 AM, 15 June 2022)

Total Marks: 1

Sub-units of capsid are _____.

Select the correct option

☐	Fatty-acids
☐	Lipids
☒	Protomers
☐	Nucleotides

Answers Solved By Amaan Khan
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BT601:Quiz 1

Quiz Start Time: 12:03 AM, 15 June 2022

Question # 8 of 10 (Start time: 12:06:06 AM, 15 June 2022)

Total Marks: 1

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

Select the correct option

☒	Protein
☐	Lipids
☐	Cholesterol
☐	Carbohydrates

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Quiz Start Time: 12:03 AM, 15 June 2022

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Question # 9 of 10 (Start time: 12:06:19 AM, 15 June 2022)

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Select the correct option

☐	Light microscopy
☒	Confocal microscopy
☐	Fluorescent microscopy
☐	Nomarski interference contrast microscopy

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Select the correct option

☒	two
☐	three
☐	one
☐	Infinite

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