

VU Medical Zone

BT 201 Quiz no 3 Fall 2021

BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

Question # 1 of 5 (Start time: 02:14:16 AM, 02 March 2022)

Total Marks: 1

Most extant prokaryotes have rigid cell walls and don't do -----.

Select the correct option:

☐	Exocytosis
☐	Pinocytosis
☐	Endocytosis
☒	Phagocytosis

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

Click to Save Answer & Move to Next Question

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

Question # 2 of 5 (Start time: 02:14:42 AM, 02 March 2022)

Total Marks: 1

-----compare each in-group species with the out-group to differentiate between shared derived and shared ancestral characteristics

Select the correct option:

☐	Evolutionary biologists
☒	Systematists
☐	Bioinformatician
☐	Ecologists

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

EFFORT BY AMAAN KHAN

VU Medical Zone

BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

Question # 3 of 5 (Start time: 02:15:11 AM, 02 March 2022)

Total Marks: 1

-----theory attempts to model how organisms feed as an optimizing process.

Select the correct option

☒	Optimal foraging	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Optimal heterotrophy	
☐	Optimal response	
☐	Optimal flux density	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

Question # 4 of 5 (Start time: 02:15:32 AM, 02 March 2022)

Total Marks: 1

One of the impressions of multicelled algae have been appeared in -----rocks.

Select the correct option

☐	Paleozoic	
☒	Proterozoic	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Mesozoic	
☐	Cenozoic	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:14 AM, 02 March 2022

Question # 5 of 5 (Start time: 02:16:08 AM, 02 March 2022)

Total Marks: 1

Horizontal gene transfer due to (-----) may result in recombination of completely new genes.

Select the correct option

- | | |
|----------------------------------|----------------|
| ☒ | All of these |
| ☐ | Transformation |
| ☐ | Transduction |
| ☐ | Conjugation |

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

Question # 1 of 5 (Start time: 02:09:36 AM, 02 March 2022)

Total Marks: 1

-----shared by the out-group and in-group are ancestral characters that predate the divergence of both groups from a common ancestor

Select the correct option

- | | |
|----------------------------------|------------|
| ☐ | Cladistics |
| ☒ | Homologies |
| ☐ | Analogies |
| ☐ | Phylogram |

Answers Solved By Amaan Khan
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

Question # 2 of 5 (Start time: 02:10:26 AM, 02 March 2022)

Total Marks: 1

A ----- is a character that originated in an ancestor of the taxon.

Select the correct option

☒	Shared ancestral character	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Homologous character	
☐	Ancestral character	
☐	Analogous character	

Click to Save Answer & Move to Next Question

BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

Question # 3 of 5 (Start time: 02:10:52 AM, 02 March 2022)

Total Marks: 1

Grouping that consists of various species but lacks common ancestor is known as;

Select the correct option

☐	Heterophyletic	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Monophyletic	
☒	Polyphyletic	
☐	Paraphyletic	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

Question # 4 of 5 (Start time: 02:11:47 AM, 02 March 2022)

Total Marks: 1

Wormlike and algae fossils come from 700 to 900 million-year-old rocks in;

Select the correct option

☐	Russia
☐	Europe
☐	India
☒	China

Answers Solved By Amaan Khan
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

Question # 5 of 5 (Start time: 02:12:16 AM, 02 March 2022)

Total Marks: 1

-----theory attempts to model how organisms feed as an optimizing process.

Select the correct option

☒	Optimal foraging
☐	Optimal response
☐	Optimal heterotrophy
☐	Optimal flux density

Answers Solved By Amaan Khan
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:09 AM, 02 March 2022

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:55 AM, 02 March 2022

Question # 1 of 5 (Start time: 01:55:20 AM, 02 March 2022)

Total Marks: 1

An animal known as Kimbrella has been found from latest proterozoic rocks in:

Select the correct option

☐	China
☒	Russia
☐	Europe
☐	India

Answers Solved By Amaan Khan
Contact: 0305-4716616
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:55 AM, 02 March 2022

Question # 2 of 5 (Start time: 01:56:11 AM, 02 March 2022)

Total Marks: 1

The DNA of a eukaryotic cell can be found in the:

Select the correct option

☐	Nucleoid region
☐	Mitochondria
☒	Nucleus
☐	Free floating

Answers Solved By Amaan Khan
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:55 AM, 02 March 2022

Question # 3 of 5 (Start time: 01:56:30 AM, 02 March 2022)

Total Marks: 1

A parasitic infestation reduced the -----in Sweden by 70%, which in turn led to increases in the abundance of several prey species eaten by foxes.

Select the correct option

☐	Indian tiger
☒	Red fox population
☐	Red bull populations
☐	White fox population

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:55 AM, 02 March 2022

Question # 4 of 5 (Start time: 01:57:03 AM, 02 March 2022)

Total Marks: 1

The -----can reflect the number of genetic changes that have taken place in a particular DNA sequence in that lineage

Select the correct option

☐	Proteomics
☒	length of a branch
☐	Genetics
☐	Ancestral node

Answers Solved By Amaan Khan
Contact: 0305-4716616
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:55 AM, 02 March 2022

Question # 5 of 5 (Start time: 01:57:35 AM, 02 March 2022)

Total Marks: 1

Process of joining together of two or more molecules, especially by covalent bond is known as;

Select the correct option

☐	Transformation
☒	Both b and c
☐	Transduction
☐	Conjugation

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

Question # 1 of 5 (Start time: 01:51:26 AM, 02 March 2022)

Total Marks: 1

Fossil record shows that multicellular organisms were as early as present in;

Select the correct option

☐	Paleozoic
☐	Cenozoic
☐	Mesozoic
☒	Proterozoic era

Answers Solved By Amaan Khan
Contact: 0305-4716616
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

Question # 2 of 5 (Start time: 01:52:25 AM, 02 March 2022)

Total Marks: 1

The diversity of interactions between herbivores and plants, between predators and prey, and between parasites, pathogens, and hosts can be grouped under the heading of;

Select the correct option

☒	Exploitation	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Ecosystem	
☐	Community	
☐	Population	

Click to Save Answer & Move to Next Question

BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

Question # 3 of 5 (Start time: 01:52:58 AM, 02 March 2022)

Total Marks: 1

Process of joining together of two or more molecules, especially by covalent bond is known as;

Select the correct option

☐	Transformation	
☐	Transduction	
☐	Conjugation	
☒	Both b and c	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

Question # 4 of 5 (Start time: 01:53:28 AM, 02 March 2022)

Total Marks: 1

Many changes in genotype are neutral or benign to phenotype and survival; these "cryptic" changes over time may result in;

Select the correct option

☒	Genetic drift	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Genetic exchange	
☐	Crossing over	
☐	Genetic recombination	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

Question # 5 of 5 (Start time: 01:53:59 AM, 02 March 2022)

Total Marks: 1

-----theory attempts to model how organisms feed as an optimizing process.

Select the correct option

☒	Optimal foraging	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Optimal flux density	
☐	Optimal response	
☐	Optimal heterotrophy	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:51 AM, 02 March 2022

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

Question # 1 of 5 (Start time: 02:04:48 AM, 02 March 2022)

Total Marks: 1

_____ in the environment determine if a new phenotype becomes dominant in a population.

Select the correct option

☒	Selective pressures	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Genetic drift	
☐	Mutation	
☐	Eco services	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

Question # 2 of 5 (Start time: 02:05:34 AM, 02 March 2022)

Total Marks: 1

_____ feed on plant tissues.

Select the correct option

☐	producers	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	omnivores	
☐	carnivores	
☒	none	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

Question # 3 of 5 (Start time: 02:06:24 AM, 02 March 2022)

Total Marks: 1

Most extant prokaryotes have rigid cell walls and don't do -----.

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Pinocytosis |
| ☐ | Exocytosis |
| ☐ | Endocytosis |
| ☒ | Phagocytosis |
- Answers Solved By Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Click to Save Answer & Move to Next Question

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

Question # 4 of 5 (Start time: 02:06:53 AM, 02 March 2022)

Total Marks: 1

Bacteria can receive a foreign source of DNA for recombination through one of three different mechanisms of -----.

Select the correct option

- | | |
|----------------------------------|---------------------|
| ☐ | Genetic pool |
| ☐ | Gene manipulation |
| ☐ | Genetic engineering |
| ☒ | Genetic Exchange |
- Answers Solved By Amaan Khan**
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 02:04 AM, 02 March 2022

Question # 5 of 5 (Start time: 02:07:08 AM, 02 March 2022)

Total Marks: 1

A trait has been gained or lost independently in separate lineages over the course of evolution.

Select the correct option

☒	Divergent evolution	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Analogous structures	
☐	Homologous structures	
☐	Homoplasies	

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:46 AM, 02 March 2022

Question # 1 of 5 (Start time: 01:46:19 AM, 02 March 2022)

Total Marks: 1

-----assumes that the tree that requires the fewest evolutionary events (appearances of shared derived characters) is the most likely

Select the correct option

☐	Maximum likelihood	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Maximum parsimony	
☐	Bootstrap values	
☐	Cladogram	

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:46 AM, 02 March 2022

Question # 2 of 5 (Start time: 01:47:05 AM, 02 March 2022)

Total Marks: 1

The mechanism of intake of DNA fragments from the surrounding medium by a cell is called;

Select the correct option

☐	Transduction
☐	Cojugation
☐	Transformation
☒	Both a and b

Answers Solved By Amaan Khan
Contact: 0305-4716616
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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:46 AM, 02 March 2022

Question # 3 of 5 (Start time: 01:48:38 AM, 02 March 2022)

Total Marks: 1

-----use computer programs and mathematical tools when analyzing comparable DNA segments from different organisms

Select the correct option

☐	Bioinformaticians
☒	Systematics
☐	Ecologists
☐	Zoologists

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:46 AM, 02 March 2022

Question # 4 of 5 (Start time: 01:49:09 AM, 02 March 2022)

Total Marks: 1

Silica, calcium carbonate, and chitin did not appear in abundance until the beginning of the:

Select the correct option

☐	Paleozoic
☐	Cenozoic
☒	Phanerozoic
☐	Mesozoic

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:46 AM, 02 March 2022

Question # 5 of 5 (Start time: 01:49:51 AM, 02 March 2022)

Total Marks: 1

-----stream insects have been shown to control the density of their algal and bacterial food.

Select the correct option

☐	Insecticides
☒	Herbivorous
☐	Predator
☐	Carnivores

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:58 AM, 02 March 2022

Question # 1 of 5 (Start time: 01:58:31 AM, 02 March 2022)

Total Marks: 1

The addition or deletion of a nucleotide base pair involves;

Select the correct option

☐	Silent mutation
☒	Frameshift mutation
☐	Nonsense mutation
☐	Point mutation

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:58 AM, 02 March 2022

Question # 2 of 5 (Start time: 01:59:10 AM, 02 March 2022)

Total Marks: 1

One of the impressions of multicelled algae have been appeared in -----rocks.

Select the correct option

☐	Mesozoic
☐	Paleozoic
☒	Proterozoic
☐	Cenozoic

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

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:58 AM, 02 March 2022

Question # 3 of 5 (Start time: 02:00:40 AM, 02 March 2022)

Total Marks: 1

The relationship between photon flux density and plant photosynthetic rate is called;

Select the correct option

☒	Photosynthetic response	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Chemosynthetic heterotrophy	
☐	Photosynthetic rates	
☐	Chemosynthetic autotrophs	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:58 AM, 02 March 2022

Question # 4 of 5 (Start time: 02:01:05 AM, 02 March 2022)

Total Marks: 1

Bacteria can receive a foreign source of DNA for recombination through one of three different mechanisms of -----

Select the correct option

☒	Genetic Exchange	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Genetic engineering	
☐	Genetic pool	
☐	Gene manipulation	

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BT201 - Ecology, Biodiversity & Evolution-II (ONLINE Quiz # 03)

Quiz Start Time: 01:58 AM, 02 March 2022

Question # 5 of 5 (Start time: 02:01:46 AM, 02 March 2022)

Total Marks: 1

An animal known as Kimbrella has been found from latest proterozoic rocks in:

Select the correct option

☐	Europe
☐	India
☐	China
☒	Russia

Answers Solved By Amaan Khan
Contact: 0305-4716616
Email: manlamaan2@gmail.com

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Windows taskbar showing search bar, task view, and system tray with date/time (2:01 AM, 3/2/2022).

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