

VU Medical Zone

BT 101 Quiz no 2 Fall 2021

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 1 of 10 (Start time: 11:19:15 PM, 02 February 2022)

Total Marks: 1

It favors the rare phenotype and makes them more common to maintain variation.

Select the correct option

- ☐ None of these
- ☐ Oscillating selection
- ☐ Positive frequency-dependent selection
- ☒ Negative frequency-dependent selection

Answer solved By Amaan Khan
Contact: 0305-4716616

Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 2 of 10 (Start time: 11:19:50 PM, 02 February 2022)

Total Marks: 1

Between 30% to 50% of _____ species are formed by sympatric speciation

Select the correct option

- ☐ Gymnosperms
- ☐ Mosses
- ☒ Angiosperms
- ☐ Ferns

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

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13°C Smoke 11:21 PM 2/2/2022

EFFORT BY AMAAN KHAN

VU Medical Zone

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 3 of 10 (Start time: 11:20:04 PM, 02 February 2022)

Total Marks: 1

_____ occurs when different phenotypes are maintained at relatively stable frequencies in the population.

Select the correct option

- ☐ Transient polymorphism
- ☒ Balanced polymorphism
- ☐ None of these
- ☐ Momentary polymorphism

Answer solved By Amaan Khan
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 4 of 10 (Start time: 11:20:33 PM, 02 February 2022)

Total Marks: 1

_____ is measured as reproductive success.

Select the correct option

- ☒ Fitness
- ☐ Parasitism
- ☐ Predation
- ☐ Extinction

Answer solved By Amaan Khan
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 5 of 10 (Start time: 11:20:50 PM, 02 February 2022)

Total Marks: 1

Taxonomists use all of the following criteria to describe species, except _____ criteria

Select the correct option

☐

Embryological

☐

Morphological

☐

Physiological

☒

Immunological

Answer solved By Amaan Khan

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 6 of 10 (Start time: 11:21:37 PM, 02 February 2022)

Total Marks: 1

Variation has _____ basis:

Select the correct option

☐

Environmental

☐

Genetic

☐

behavioral

☒

Both genetic and environmental

Answer solved By Amaan Khan

Contact: 0305-4716616

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EFFORT BY AMAAN KHAN

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 7 of 10 (Start time: 11:22:22 PM, 02 February 2022)

Total Marks: 1

It tends to favor the common phenotypes and eliminate variation from a population.

Select the correct option

☒	Positive frequency-dependent selection	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Oscillating selection	
☐	None of these	
☐	Negative frequency dependent selection	

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 8 of 10 (Start time: 11:23:04 PM, 02 February 2022)

Total Marks: 1

In _____ isolation, courtship behavior patterns of two animals are inappropriate for each other.

Select the correct option

☐	Behavioral	
☒	Mechanical	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Temporal	
☐	Ecological	

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:19 PM, 02 February 2022

Question # 9 of 10 (Start time: 11:23:24 PM, 02 February 2022)

Total Marks: 1

Genetic drift leads to a _____ in the frequency of an allele that is favored by selection.

Select the correct option

☒	Decrease	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Increase	
☐	No change	
☐	Amplify	

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2) Quiz Start Time: 11:19 PM, 02 February 2022

Question # 10 of 10 (Start time: 11:23:38 PM, 02 February 2022)

Total Marks: 1

If it does not exist, natural selection cannot operate.

Select the correct option

☐	Predation	
☒	Variation	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Migration	
☐	None of these	

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2) Quiz Start Time: 11:19 PM, 02 February 2022

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 1 of 10 (Start time: 10:56:33 PM, 02 February 2022)

Total Marks: 1

Enzyme lactate dehydrogenase in mummichog populations in North are better catalyst at _____ temperatures.

Select the correct option

☒	Low	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of these	
☐	High	
☐	Moderate	

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 2 of 10 (Start time: 10:56:57 PM, 02 February 2022)

Total Marks: 1

Conditions in the reproductive ----- of a female may not support the sperm of male.

Select the correct option

☐	Form
☐	Cell
☐	Canal
☒	Tract

Answer solved By Amaan Khan
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Email: maniamaan2@gmail.com

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 3 of 10 (Start time: 10:57:33 PM, 02 February 2022)

Total Marks: 1

Sickle cell anemia is _____ trait.

Select the correct option

- ☐ Heterozygous
- ☐ none of these
- ☐ Homozygous dominant
- ☒ Homozygous recessive

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 4 of 10 (Start time: 10:57:47 PM, 02 February 2022)

Total Marks: 1

In _____ any allele may increase or depart the population.

Select the correct option

- ☒ Genetic drift
- ☐ None of these
- ☐ Mutation
- ☐ Natural selection

Answer solved By Amaan Khan

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B1101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 5 of 10 (Start time: 10:58:07 PM, 02 February 2022)

Total Marks: 1

Elimination of birds with intermediate-sized beaks is the example of _____selection.

Select the correct option

☐ Stabilizing

☐ Oscillating

☐ Directional

☒ Disruptive

Answer solved By Amaan Khan
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Email: maniamaan2@gmail.com

B1101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 6 of 10 (Start time: 10:59:18 PM, 02 February 2022)

Total Marks: 1

It occurs when number of individuals in a population is drastically reduced due to disasters.

Select the correct option

☐ Competition

☐ Founder Effect

☒ Bottleneck effect

Answer solved By Amaan Khan
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☐ Variation

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 7 of 10 (Start time: 10:59:52 PM, 02 February 2022)

Total Marks: 1

Enzyme lactate dehydrogenase catalyzes the conversion of _____ to lactate.

Select the correct option

☐	Cholesterol
☐	Uric acid
☒	Pyruvate
☐	Amino acid

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 8 of 10 (Start time: 11:00:21 PM, 02 February 2022)

Total Marks: 1

Evolution of 14 species of finches from the original seed eater finches from mainland is the example of _____ speciation.

Select the correct option

☒	Allopatric
☐	Sympatric
☐	Parapatric
☐	None of these

Answer solved By Amaan Khan
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 9 of 10 (Start time: 11:00:37 PM, 02 February 2022)

Total Marks: 1

Between 30% to 50% of _____ species are formed by sympatric speciation

Select the correct option

☐ Ferns

☐ Mosses

☐ Gymnosperms

☒ Angiosperms

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

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:56 PM, 02 February 2022

Question # 10 of 10 (Start time: 11:01:09 PM, 02 February 2022)

Total Marks: 1

In house fly resistance allele at the pen gene _____ the uptake of insecticide.

Select the correct option

☐ Increase

☒ Decrease

☐ Amplify

☐ Has no effect on

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

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 1 of 10 (Start time: 11:11:29 PM, 02 February 2022)

Total Marks: 1

_____ change is the main cause of oscillation in selection.

Select the correct option

☐ Genotypic

☐ None of these

☐ Phenotypic

☒ Environmental

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 2 of 10 (Start time: 11:12:11 PM, 02 February 2022)

Total Marks: 1

_____ is measured as reproductive success.

Select the correct option

☐ Predation

☐ Extinction

☒ Fitness

Answer solved By Amaan Khan

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☐ Parasitism

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 3 of 10 (Start time: 11:12:25 PM, 02 February 2022)

Total Marks: 1

_____ occurs in small, local populations, called demes which are not completely isolated from each other.

Select the correct option

- ☐ Sympatric
- ☒ Parapatric
- ☐ Allopatric
- ☐ None of these

Answer solved By Amaan Khan
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Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 4 of 10 (Start time: 11:12:52 PM, 02 February 2022)

Total Marks: 1

_____ selection is the elimination of both extremes from an array of phenotypes.

Select the correct option

- ☐ Disruptive
- ☒ Stabilizing
- ☐ Oscillating
- ☐ Directional

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 5 of 10 (Start time: 11:13:28 PM, 02 February 2022)

Total Marks: 1

Which of the following factor contributes in reduction in number of population in Bottle neck effect?

Select the correct option

☒	Habitat destruction	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Competition	
☐	Migration	
☐	Predation	

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2) Quiz Start Time: 11:11 PM, 02 February 2022

Question # 6 of 10 (Start time: 11:14:30 PM, 02 February 2022)

Total Marks: 1

Genetic drift leads to a _____ in the frequency of an allele that is favored by selection.

Select the correct option

☐	Increase
☐	Amplify
☐	No change
☒	Decrease

Answer solved By Amaan Khan
Contact: 0305-4716616
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2) Quiz Start Time: 11:11 PM, 02 February 2022

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 7 of 10 (Start time: 11:14:55 PM, 02 February 2022)

Total Marks: 1

It tends to favor the common phenotypes and eliminate variation from a population.

Select the correct option

☒	Positive frequency-dependent selection	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of these	
☐	Oscillating selection	
☐	Negative frequency dependent selection	

Windows taskbar showing search bar, task view, and system tray with date/time: 11:17 PM 2/2/2022.

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 8 of 10 (Start time: 11:16:26 PM, 02 February 2022)

Total Marks: 1

Evolution of 14 species of finches from the original seed eater finches from mainland is the example of _____ speciation.

Select the correct option

☐	Sympatric	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of these	
☒	Allopatric	
☐	Parapatric	

Windows taskbar showing search bar, task view, and system tray with date/time: 11:17 PM 2/2/2022.

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 9 of 10 (Start time: 11:16:39 PM, 02 February 2022)

Total Marks: 1

In water strider (fish), _____ females lay more eggs than _____ females.

Select the correct option

☐ Bony, Cartilaginous

☐ Cartilaginous, bony

☒ Larger, smaller

☐ Smaller, larger

Answer solved By Amaan Khan
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Email: maniamaan2@gmail.com

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

Question # 10 of 10 (Start time: 11:16:51 PM, 02 February 2022)

Total Marks: 1

which of these is the limitation to Natural selection?

☐ Genes don not have multiple effects

☐ None of these

☐ Gene interactions affect fitness of alleles

☒ Evolution requires genetic similarity

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:11 PM, 02 February 2022

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VU Medical Zone

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 1 of 10 (Start time: 10:29:04 PM, 02 February 2022)

Total Marks: 1

Which of the following is NOT the component of Fitness?

Select the correct option

- ☐ Survival
- ☐ Number of offspring per mating
- ☐ Mating success
- ☒ High mortality rate

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 2 of 10 (Start time: 10:29:50 PM, 02 February 2022)

Total Marks: 1

In water strider (fish), _____ females lay more eggs than _____ females.

Select the correct option

- ☐ Smaller, larger
- ☐ Cartilaginous, bony
- ☒ Larger, smaller
- ☐ Bony, Cartilaginous.

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 3 of 10 (Start time: 10:30:39 PM, 02 February 2022)

Total Marks: 1

It favors the rare phenotype and makes them more common to maintain variation.

Select the correct option

☐

Positive frequency-dependent selection

☒

Negative frequency-dependent selection

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

☐

Oscillating selection

☐

None of these

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 4 of 10 (Start time: 10:31:19 PM, 02 February 2022)

Total Marks: 1

Evolution of 14 species of finches from the original seed eater finches from mainland is the example of _____ speciation.

Select the correct option

☐

Sympatric

☐

Parapatric

☐

None of these

☒

Allopatric

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

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 5 of 10 (Start time: 10:32:06 PM, 02 February 2022)

Total Marks: 1

_____ leads to balanced polymorphism.

Select the correct option

- | | | |
|----------------------------------|-------------------|--|
| ☒ | Heterozygosity | Answer solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Mutation | |
| ☐ | Homozygosity | |
| ☐ | Natural selection | |

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 6 of 10 (Start time: 10:32:46 PM, 02 February 2022)

Total Marks: 1

_____ is measured as reproductive success.

Select the correct option

- | | | |
|----------------------------------|------------|--|
| ☐ | Extinction | |
| ☐ | Predation | |
| ☒ | Fitness | Answer solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Parasitism | |

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 7 of 10 (Start time: 10:33:16 PM, 02 February 2022)

Total Marks: 1

----- Selection characterizes the periods of stasis.

Select the correct option

- | | |
|----------------------------------|-------------|
| ☐ | Directional |
| ☒ | Stabilizing |
| ☐ | Oscillating |
| ☐ | Disruptive |

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

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 8 of 10 (Start time: 10:33:52 PM, 02 February 2022)

Total Marks: 1

Successful fertilization and development do not occur in -----.

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☒ | Postmating isolation |
| ☐ | Premating isolation |
| ☐ | Behavioral isolation |
| ☐ | None of these |

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

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 9 of 10 (Start time: 10:35:06 PM, 02 February 2022)

Total Marks: 1

In _____ isolation, courtship behavior patterns of two animals are inappropriate for each other.

Select the correct option

☐ Temporal

☐ Behavioral

☒ Mechanical

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

☐ Ecological

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:29 PM, 02 February 2022

Question # 10 of 10 (Start time: 10:35:46 PM, 02 February 2022)

Total Marks: 1

Sickle cell anemia is _____ trait.

Select the correct option

☐ none of these

☐ Homozygous dominant

☒ Homozygous recessive

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

☐ Heterozygous

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 1 of 10 (Start time: 11:04:11 PM, 02 February 2022)

Total Marks: 1

According to _____ model of evolution "species do not change significantly over millions of years".

Select the correct option

- | | | |
|----------------------------------|------------------------|--|
| ☒ | Phyletic Gradualism | Answer solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Punctuated equilibrium | |
| ☐ | Natural selection | |
| ☐ | None of these | |

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 2 of 10 (Start time: 11:05:04 PM, 02 February 2022)

Total Marks: 1

A requirement of speciation is that subpopulations are prevented from _____.

Select the correct option

- | | | |
|----------------------------------|---------------|--|
| ☐ | All of these | |
| ☒ | Interbreeding | Answer solved By Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com |
| ☐ | Resettlement | |
| ☐ | Migration | |

EFFORT BY AMAAN KHAN

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 3 of 10 (Start time: 11:05:28 PM, 02 February 2022)

Total Marks: 1

It may promote or constrain evolutionary changes.

Select the correct option

☐	Mutation
☐	Genetic drift
☒	Gene flow
☐	Natural selection

Answer solved By Amaan Khan
Contact: 0305-4716616
Email: manlamaan2@gmail.com

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 4 of 10 (Start time: 11:05:59 PM, 02 February 2022)

Total Marks: 1

_____ is a group of populations in which genes are actually, or potentially, exchanged through interbreeding.

Select the correct option

☐	Colony
☐	Community
☐	Individuals
☒	Species

Answer solved By Amaan Khan
Contact: 0305-4716616
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 5 of 10 (Start time: 11:06:35 PM, 02 February 2022)

Total Marks: 1

If it does not exist, natural selection cannot operate.

Select the correct option

☐	None of these
☐	Predation
☒	Variation
☐	Migration

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

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 6 of 10 (Start time: 11:07:03 PM, 02 February 2022)

Total Marks: 1

Natural selection removes inferior alleles while _____ can bring them back.

Select the correct option

☐	None of these
☐	Genetic drift
☒	Gene flow
☐	Mutation

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

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 7 of 10 (Start time: 11:07:35 PM, 02 February 2022)

Total Marks: 1

Genetic drift leads to a _____ in the frequency of an allele that is favored by selection.

Select the correct option

☐ Amplify

☐ No change

☒ Decrease

☐ Increase

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

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 8 of 10 (Start time: 11:08:07 PM, 02 February 2022)

Total Marks: 1

This speciation occurs within a single population.

Select the correct option

☐ Allopatric

☒ Sympatric

☐ None of these

☐ Parapatric

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

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 9 of 10 (Start time: 11:08:35 PM, 02 February 2022)

Total Marks: 1

In _____, the fitness of a phenotype does not depend on its frequency

Select the correct option

☒ Oscillating selection

Answer solved By Amaan Khan
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☐ Frequency dependent selection

☐ Both of these

☐ None of these

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

Question # 10 of 10 (Start time: 11:09:04 PM, 02 February 2022)

Total Marks: 1

Successful fertilization and development do not occur in _____.

Select the correct option

☐ None of these

☒ Postmating isolation

Answer solved By Amaan Khan
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☐ Premating isolation

☐ Behavioral isolation

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:04 PM, 02 February 2022

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 1 of 10 (Start time: 10:48:47 PM, 02 February 2022)

Total Marks: 1

Increase in frequency of the already common intermediate type occur in _____.

Select the correct option

☐	Directional selection
☒	Stabilizing selection
☐	All of these
☐	Disruptive selection

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 2 of 10 (Start time: 10:49:25 PM, 02 February 2022)

Total Marks: 1

Successful fertilization and development do not occur in _____.

Select the correct option

☐	None of these
☐	Premating Isolation
☒	Postmating isolation
☐	Behavioral Isolation

Answer solved By Amaan Khan
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 3 of 10 (Start time: 10:50:14 PM, 02 February 2022)

Total Marks: 1

It favors the rare phenotype and makes them more common to maintain variation.

Select the correct option

- ☐ Oscillating selection
- ☐ None of these
- ☐ Positive frequency-dependent selection
- ☒ Negative frequency-dependent selection

Answer solved By Amaan Khan

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 4 of 10 (Start time: 10:50:31 PM, 02 February 2022)

Total Marks: 1

Enzyme lactate dehydrogenase in mummichog populations in North are better catalyst at _____ temperatures.

Select the correct option

- ☐ Moderate
- ☐ None of these
- ☒ Low
- ☐ High

Answer solved By Amaan Khan

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 5 of 10 (Start time: 10:51:13 PM, 02 February 2022)

Total Marks: 1

It acts against only one extreme of phenotypes, causing a shift in distribution toward the other extreme.

Select the correct option

☐ Disruptive Selection

☐ Stabilizing Selection

☐ Directional Selection

☒ Oscillating

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 6 of 10 (Start time: 10:52:46 PM, 02 February 2022)

Total Marks: 1

Parapatric speciation occurs in small, local populations, called _____.

Select the correct option

☐ Flock

☐ None of these

☐ Colony

☒ Demes

Answer solved By Amaan Khan

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 7 of 10 (Start time: 10:53:12 PM, 02 February 2022)

Total Marks: 1

Evolution of 14 species of finches from the original seed eater finches from mainland is the example of _____ speciation.

Select the correct option

☐ Parapatric

☐ None of these

☐ Sympatric

☒ Allopatric

Answer solved By Amaan Khan

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 8 of 10 (Start time: 10:53:37 PM, 02 February 2022)

Total Marks: 1

In _____ any allele may increase or depart the population.

Select the correct option

☒ Genetic drift

Answer solved By Amaan Khan

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☐ None of these

☐ Mutation

☐ Natural selection

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 9 of 10 (Start time: 10:54:09 PM, 02 February 2022)

Total Marks: 1

In _____ isolation, courtship behavior patterns of two animals are inappropriate for each other.

Select the correct option

☒	Mechanical	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Behavioral	
☐	Temporal	
☐	Ecological	

BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 10:48 PM, 02 February 2022

Question # 10 of 10 (Start time: 10:54:32 PM, 02 February 2022)

Total Marks: 1

_____ occurs in small, local populations, called demes which are not completely isolated from each other.

Select the correct option

☐	Allopatric
☐	Sympatric
☐	None of these
☒	Parapatric

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 1 of 10 (Start time: 11:38:42 PM, 02 February 2022)

Total Marks: 1

Which of the following is uncommon in animals?

Select the correct option

☐ Parapatric speciation

☐ All of the above

☐ Allopatric speciation

☒ Sympatric isolation

Answer solved By Amaan Khan

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Email: maniamaan2@gmail.com

BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 2 of 10 (Start time: 11:39:16 PM, 02 February 2022)

Total Marks: 1

Which of the following is NOT the component of Fitness?

Select the correct option

☐ Number of offspring per mating

☐ Survival

☒ High mortality rate

Answer solved By Amaan Khan

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☐ Mating success

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 3 of 10 (Start time: 11:39:34 PM, 02 February 2022)

Total Marks: 1

-----occurs when different phenotypes are maintained at relatively stable frequencies in the population.

Select the correct option

☒	Balanced polymorphism	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of these	
☐	Momentary polymorphism	
☐	Transient polymorphism	

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 4 of 10 (Start time: 11:40:05 PM, 02 February 2022)

Total Marks: 1

-----occurs in small, local populations, called demes which are not completely isolated from each other.

Select the correct option

☐	Allopatric	
☐	Sympatric	
☒	Parapatric	Answer solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	None of these	

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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 5 of 10 (Start time: 11:40:25 PM, 02 February 2022)

Total Marks: 1

Which of the following is a non random process?

Select the correct option

☐	Genetic drift
☐	None of these
☒	Natural selection
☐	Mutation

Answer solved By Amaan Khan
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BT101 – Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 6 of 10 (Start time: 11:40:53 PM, 02 February 2022)

Total Marks: 1

In some cases, -----selection favors one phenotype at one time and another phenotype at another time.

Select the correct option

☒	Oscillating
☐	None of these
☐	Positive frequency-dependent
☐	Negative frequency-dependent

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 7 of 10 (Start time: 11:41:18 PM, 02 February 2022)

Total Marks: 1

Between 30% to 50% of _____ species are formed by sympatric speciation

Select the correct option

☐	Gymnosperms
☐	Mosses
☒	Angiosperms
☐	Ferns

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 8 of 10 (Start time: 11:41:32 PM, 02 February 2022)

Total Marks: 1

Increase in frequency of the already common intermediate type occur in _____

Select the correct option

☐	Directional selection
☒	Stabilizing selection
☐	All of these
☐	Disruptive selection

Answer solved By Amaan Khan
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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 9 of 10 (Start time: 11:41:58 PM, 02 February 2022)

Total Marks: 1

Parapatric speciation occurs in small, local populations, called_____.

Select the correct option

☐	Flock
☒	Demes
☐	None of these
☐	Colony

Answer solved By Amaan Khan
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Email: maniamaan2@gmail.com

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BT101 - Ecology, Biodiversity & Evolution-I (Quiz No.2)

Quiz Start Time: 11:38 PM, 02 February 2022

Question # 10 of 10 (Start time: 11:42:14 PM, 02 February 2022)

Total Marks: 1

Which of the following factor contributes in reduction in number of population in Bottle neck effect?

Select the correct option

☐	Competition
☐	Predation
☐	Migration
☒	Habitat destruction

Answer solved By Amaan Khan
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