

VU Medical Zone

BT 504 Quiz no 1 Fall 2021

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 1 of 10 (Start time: 12:20:46 AM, 22 February 2022)

Total Marks: 1

The average number of times any given base in the genome is sequenced is:

Select the correct option

[Reload Math Equations](#)

☒	Coverage	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Reads	
☐	DNA	
☐	Scaffold	

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

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 2 of 10 (Start time: 12:21:39 AM, 22 February 2022)

Total Marks: 1

_____ can be defined as the average number of times any given base in the genome is sequenced.

Select the correct option

☐	Contig	
☒	Calculations Coverage	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Scaffold	
☐	Assembly	

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

Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 3 of 10 (Start time: 12:22:22 AM, 22 February 2022)

Total Marks: 1

The short fragments are compared with each other to discover how they

Select the correct option

Reload Math Equations

☒	Overlap
☐	Form
☐	React
☐	Read

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 4 of 10 (Start time: 12:22:37 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG assemblies are not necessarily _____, but instead are presented in the form of a _____.

Select the correct option

☐	Circular, graph
☐	linear, Circle
☒	Linear, graph
☐	Graph, Line

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

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 5 of 10 (Start time: 12:22:53 AM, 22 February 2022)

Total Marks: 1

Related species genomes helps in

Select the correct option

Reload Math Equations

☒	All
☐	The sequencing approaches and assembly strategies are interdependent.
☐	Guiding the assembly of the target species
☐	Verifying the completeness of the assembly

Click to Save Answer & Move to Next Question

Type here to search



16°C Smoke 12:24 AM 2/22/2022

BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 6 of 10 (Start time: 12:23:53 AM, 22 February 2022)

Total Marks: 1

----- represent the simplest, most intuitive, solution to the assembly problem.

Select the correct option

Reload Math Equations

☐	Agarose gel
☐	FISH
☒	Greedy Graph algorithms
☐	Contigs Overlap

Click to Save Answer & Move to Next Question

Type here to search



16°C Smoke 12:25 AM 2/22/2022

Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 7 of 10 (Start time: 12:24:22 AM, 22 February 2022)

Total Marks: 1

Coverage can be derived by dividing the total length of acquired sequences by the -----

Select the correct option

Reload Math Equations

☐	genome Base
☒	Genome length
☐	RNA Length
☐	DNA Sequence

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 8 of 10 (Start time: 12:24:53 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG can generate high quality genome assemblies using ----- by the new generation of sequencers.

Select the correct option

☐	Medium size reads
☒	Short reads
☐	Long reads
☐	Very Long Reads

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

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 9 of 10 (Start time: 12:25:09 AM, 22 February 2022)

Total Marks: 1

Undirected graphs can be called as

Select the correct option

Reload Math Equations

☐

Linear Graph

☐

Opposite Graph

☒

Bidirectional Graph

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

☐

Circular Graph

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:20 AM, 22 February 2022

Question # 10 of 10 (Start time: 12:25:25 AM, 22 February 2022)

Total Marks: 1

----- are the most common source of Mis-assemblies

Select the correct option

Reload Math Equations

☒

Repeats

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

☐

DNA Sequence

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 1 of 10 (Start time: 12:01:37 AM, 22 February 2022)

Total Marks: 1

Which method finds the genes by comparing fragments of a sequence with those of already identified genes

Select the correct option

☐	NGS
☐	Illumina
☒	Comparative
☐	Ab initio

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 2 of 10 (Start time: 12:02:42 AM, 22 February 2022)

Total Marks: 1

Which NGS approach takes the minimum time per run?

Select the correct option

☒	Sanger
☐	SOLID
☐	Illumina
☐	454

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

Click to Save Answer & Move to Next Question

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Effort By Amaan Khan

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BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 3 of 10 (Start time: 12:03:56 AM, 22 February 2022)

Total Marks: 1

Undirected graphs can be called as

Select the correct option

Reload Math Equations

☐	Circular Graph
☐	Linear Graph
☐	Opposite Graph
☒	Bidirectional Graph

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 4 of 10 (Start time: 12:04:42 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG assemblies are not necessarily _____ but instead are presented in the form of a _____.

Select the correct option

☐	Circular, graph
☒	Linear, graph
☐	Linear, Circle
☐	Graph, Line

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

Click to Save Answer & Move to Next Question

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Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 5 of 10 (Start time: 12:05:17 AM, 22 February 2022)

Total Marks: 1

----- are the most common source of Mis-assemblies

Select the correct option

Reload Math Equations

☐	DNA Sequence
☒	Repeats

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 6 of 10 (Start time: 12:05:48 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG can generate high quality genome assemblies using -----by the new generation of sequencers.

Select the correct option

☐	Medium size reads
☐	Long reads
☒	Short reads
☐	Very Long Reads

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

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 7 of 10 (Start time: 12:06:28 AM, 22 February 2022)

Total Marks: 1

In Assembly Pipeline Quality Screening is done while satisfying the following matrices, except -----

Select the correct option

☐	Library quality
☒	Poisson distribution
☐	Read Quality
☐	Sequencing Run Quality

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

Click to Save Answer & Move to Next Question

Windows taskbar with search bar, task view, and system tray showing 17°C, Smoke, and time 12:08 AM 2/22/2022.

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 8 of 10 (Start time: 12:07:15 AM, 22 February 2022)

Total Marks: 1

Gene finding, especially in ----- starts form searching for an open reading frames

Select the correct option

☐	Human
☐	Eukaryotes
☐	Chimpanzee
☒	Prokaryotes

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

Reload Math Equations

Click to Save Answer & Move to Next Question

Windows taskbar with search bar, task view, and system tray showing 17°C, Smoke, and time 12:08 AM 2/22/2022.

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 9 of 10 (Start time: 12:07:49 AM, 22 February 2022)

Total Marks: 1

Lander and Waterman suggested in that the number of times a base is sequenced follows a

Select the correct option

☐	Regressive distribution
☐	Linear distribution
☒	Poisson distribution
☐	Equal distribution

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:01 AM, 22 February 2022

Question # 10 of 10 (Start time: 12:08:26 AM, 22 February 2022)

Total Marks: 1

ORF are

Select the correct option

☐	Open recording Fragments
☐	Proteins
☐	Online resource formation
☒	Open Reading Frame

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

Reload Math Equations

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 1 of 10 (Start time: 12:11:16 AM, 22 February 2022)

Total Marks: 1

ORF are

Select the correct option

Reload Math Equations

☐	Online resource formation
☒	Open Reading Frame
☐	Proteins
☐	Open recording Fragments

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 2 of 10 (Start time: 12:11:36 AM, 22 February 2022)

Total Marks: 1

The short fragments are compared with each other to discover how they

Select the correct option

Reload Math Equations

☐	Read
☒	Overlap
☐	Form
☐	React

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

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 3 of 10 (Start time: 12:12:05 AM, 22 February 2022)

Total Marks: 1

In Lander and Waterman model, if overlap length was larger than a cutoff (T), then the two reads should be merged into a -----.

Select the correct option

☐	Graph
☐	Assembly
☐	Scaffold
☒	Contig

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 4 of 10 (Start time: 12:12:39 AM, 22 February 2022)

Total Marks: 1

Coverage can be derived by dividing the total length of acquired sequences by the -----.

Select the correct option

☐	genome Base
☐	RNA Length
☒	Genome length
☐	DNA Sequence

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

Reload Math Equations

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 5 of 10 (Start time: 12:13:31 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG requires _____ computer operating system.

Select the correct option

☐	32 bit Linux
☐	32 bit Windows
☐	64 bit Windows
☒	64 bit Linux

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

Click to Save Answer & Move to Next Question

Windows taskbar showing search bar, task view, and system tray with date/time 12:15 AM 2/22/2022.

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 6 of 10 (Start time: 12:14:32 AM, 22 February 2022)

Total Marks: 1

Directed graphs have an orientation or order as _____ to undirected graphs

Select the correct option

☒	Opposed
☐	Similar

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

Reload Math Equations

Click to Save Answer & Move to Next Question

Windows taskbar showing search bar, task view, and system tray with date/time 12:16 AM 2/22/2022.

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BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 7 of 10 (Start time: 12:15:01 AM, 22 February 2022)

Total Marks: 1

It is the part of gene that has a potential to code for proteins comes in triples called:

Select the correct option

☐	Intron
☒	Codon
☐	Promoter
☐	Locus

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

Click to Save Answer & Move to Next Question

BT504 – Genomics and Proteomics (QUIZ – 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 8 of 10 (Start time: 12:15:33 AM, 22 February 2022)

Total Marks: 1

A consensus sequence of DNA that has been assembled from overlapping DNA fragments

Select the correct option

☐	Scaffold
☐	Primer
☐	Adaptor
☒	Contig

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

Reload Math Equations

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 9 of 10 (Start time: 12:16:13 AM, 22 February 2022)

Total Marks: 1

Two Genes are ----- if the expression of one gene modulates the effect of other gene by either activation or inhibition

Select the correct option

Reload Math Equations

☐	Linear
☐	Opposite
☒	Connected
☐	Irrelevant

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:11 AM, 22 February 2022

Question # 10 of 10 (Start time: 12:16:40 AM, 22 February 2022)

Total Marks: 1

ORF Finders tools are

Select the correct option

Reload Math Equations

☐	NCBI's ORF Finder
☐	Orf Predictor
☐	ORF Investigator
☒	All

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

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 1 of 10 (Start time: 12:26:26 AM, 22 February 2022)

Total Marks: 1

Gene finding, especially in ----- starts form searching for an open reading frames

Select the correct option

Reload Math Equations

☐	Human
☒	Prokaryotes
☐	Chimpanzee
☐	Eukaryotes

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 2 of 10 (Start time: 12:26:46 AM, 22 February 2022)

Total Marks: 1

In Lander and Waterman model, if overlap length was larger than a cutoff (T), then the two reads should be merged into a -----

Select the correct option

☐	Scaffold
☐	Graph
☐	Assembly
☒	Contig

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

Click to Save Answer & Move to Next Question

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 3 of 10 (Start time: 12:27:02 AM, 22 February 2022)

Total Marks: 1

Which method finds the genes by comparing fragments of a sequence with those of already identified genes

Select the correct option

☐	Ab initio
☒	Comparative
☐	NGS
☐	Illumina

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

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 4 of 10 (Start time: 12:27:25 AM, 22 February 2022)

Total Marks: 1

If the score is larger than zero, predict it is -----; the higher score, the higher the probability the prediction is true:

Select the correct option

☒	Donor/acceptor
☐	Receiver/giver

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

Reload Math Equations

Click to Save Answer & Move to Next Question

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 5 of 10 (Start time: 12:28:21 AM, 22 February 2022)

Total Marks: 1

----- represent the simplest, most intuitive, solution to the assembly problem.

Select the correct option

Reload Math Equations

☒	Greedy Graph algorithms	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Agarose gel	
☐	Contigs Overlap	
☐	FISH	

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 6 of 10 (Start time: 12:28:38 AM, 22 February 2022)

Total Marks: 1

The ----- nucleotide distribution information is a basis for transition start prediction.

Select the correct option

Reload Math Equations

☐	Unbiased	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☒	Biased	
☐	DNA	
☐	RNA	

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 7 of 10 (Start time: 12:29:05 AM, 22 February 2022)

Total Marks: 1

Related species genomes helps in

Select the correct option

Reload Math Equations

☒	All	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Verifying the completeness of the assembly	
☐	The sequencing approaches and assembly strategies are interdependent	
☐	Guiding the assembly of the target species	

Click to Save Answer & Move to Next Question

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 8 of 10 (Start time: 12:29:22 AM, 22 February 2022)

Total Marks: 1

The average number of times any given base in the genome is sequenced is

Select the correct option

Reload Math Equations

☐	Reads	Answers solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	DNA	
☒	Coverage	
☐	Scaffold	

Click to Save Answer & Move to Next Question

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 9 of 10 (Start time: 12:29:39 AM, 22 February 2022)

Total Marks: 1

ALLPATHS-LG requires _____ computer operating system.

Select the correct option

☐	32 bit Windows
☐	64 bit Windows
☐	32 bit Linux
☒	64 bit Linux

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

Click to Save Answer & Move to Next Question

Type here to search

BT504 - Genomics and Proteomics (QUIZ - 01)

Quiz Start Time: 12:26 AM, 22 February 2022

Question # 10 of 10 (Start time: 12:29:55 AM, 22 February 2022)

Total Marks: 1

A region of genomic DNA is a

Select the correct option

☒	Content
☐	Signal
☐	Chromosome
☐	Gene

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

Click to Save Answer & Move to Next Question

Type here to search

Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 1 of 10 (Start time: 10:59:32 PM, 11 February 2022)

Total Marks: 1

ALLPATHS-LG requires _____ computer operating system.

Select the correct option



64 bit Linux

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



32 bit Windows



32 bit Linux



64 bit Windows

Type here to search

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 2 of 10 (Start time: 11:00:27 PM, 11 February 2022)

Total Marks: 1

All of the following are deciphered through gene prediction, except:

Select the correct option



splice junctions
(eukaryotic genomes)



coding regions



translation starts of gene



splice junctions
(prokaryotic genomes)

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

Type here to search

Effort By Amaan Khan

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BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 3 of 10 (Start time: 11:01:45 PM, 11 February 2022)

Total Marks: 1

_____ can be defined as the average number of times any given base in the genome is sequenced,

Select the correct option

☐	Assembly
☒	Calculations Coverage
☐	Contig
☐	Scaffold

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

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 4 of 10 (Start time: 11:02:23 PM, 11 February 2022)

Total Marks: 1

Assembly Pipeline process can be divided into following major phases, except _____.

Select the correct option

☐	Unitiging
☐	Repeat resolution
☒	Assembling
☐	Scaffolding

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

Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 5 of 10 (Start time: 11:03:02 PM, 11 February 2022)

Total Marks: 1

ALLPATHS-LG assemblies are not necessarily _____, but instead are presented in the form of a _____.

Select the correct option

- ☐ Graph, Line
- ☐ Linear, Circle
- ☒ Linear, graph
- ☐ Circular, graph

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

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 6 of 10 (Start time: 11:03:41 PM, 11 February 2022)

Total Marks: 1

Lander and Waterman suggested in that the number of times a base is sequenced follows a _____.

Select the correct option

- ☐ Equal distribution
- ☐ Regressive distribution
- ☐ Linear distribution
- ☒ Poisson distribution

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

Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 7 of 10 (Start time: 11:04:12 PM, 11 February 2022)

Total Marks: 1

In Lander and Waterman model, if overlap length was larger than a cutoff (t), then the two reads should be merged into a _____.

Select the correct option

☐

Assembly

☐

Scaffold

☒

Contig

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

☐

Graph

Type here to search

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 8 of 10 (Start time: 11:04:45 PM, 11 February 2022)

Total Marks: 1

ALLPATHS-LG can generate high quality genome assemblies using _____ by the new generation of sequencers.

Select the correct option

☐

Long reads

☒

Short reads

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

☐

Medium size reads

☐

Very Long Reads

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Effort By Amaan Khan

VU Medical Zone

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 9 of 10 (Start time: 11:05:28 PM, 11 February 2022)

Total Marks: 1

It is the part of gene that has a potential to code for proteins comes in triples called:

Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | Intron |
| ☒ | Codon |
| ☐ | Locus |
| ☐ | Promoter |

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

BT504 - Genomics and Proteomics (Quiz 1)

Quiz Start Time: 10:59 PM, 11 February 2022

Question # 10 of 10 (Start time: 11:06:09 PM, 11 February 2022)

Total Marks: 1

In Assembly Pipeline Quality Screening is done while satisfying the following matrices, except _____:

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☐ | Sequencing Run Quality |
| ☐ | Library quality |
| ☒ | Poisson distribution |
| ☐ | Read Quality |

Answers solved By Amaan Khan
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