

VU Medical Zone

BT 504 Quiz 1 Spring 2022

BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 1 of 10 (Start time: 01:48:08 AM, 13 June 2022)

Total Marks: 1

_____ is the basis of genetic mapping of genomes.

Select the correct option

☐	Radiation Hybrid Panel, and STSs
☐	Somatic Hybrid Panel, and STSs
☐	Restriction Enzymes
☒	Linkage analysis

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

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31°C Haze 1:49 AM 6/13/2022

BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 2 of 10 (Start time: 01:49:32 AM, 13 June 2022)

Total Marks: 1

We can predict disease-susceptibility based on gene sequence _____.

Select the correct option

☐	Alignment
☐	Duplication
☐	Distribution
☒	Variation

Answers Solved By Amaan Khan
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31°C Haze 1:50 AM 6/13/2022

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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 3 of 10 (Start time: 01:50:29 AM, 13 June 2022)

Total Marks: 1

Structural Genomics includes except _____.

Select the correct option

☐	Distinct components of genomes
☐	Genome sequences
☐	Abundance and complexity of mRNA
☒	Gene phylogeny

Answers Solved By Amaan Khan
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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 4 of 10 (Start time: 01:51:25 AM, 13 June 2022)

Total Marks: 1

_____ are non-homologues genes/proteins that have descended convergently from an unrelated ancestor.

Select the correct option

☐	Xenologues
☐	Paralogues
☐	Orthologues
☒	Analogues

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Quiz Start Time: 01:48 AM, 13 June 2022

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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 5 of 10 (Start time: 01:51:57 AM, 13 June 2022)

Total Marks: 1

In Physical Mapping Techniques _____ is used except.

Select the correct option

☒	YACs	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Plasmid	
☐	Virus	
☐	Cosmid	

BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 6 of 10 (Start time: 01:52:57 AM, 13 June 2022)

Total Marks: 1

Major Techniques used for Genomes Characterization except _____

Select the correct option

☐	PCR amplification	
☐	Cloning	
☒	SDS PAGE	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Hybridization	

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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 7 of 10 (Start time: 01:53:43 AM, 13 June 2022)

Total Marks: 1

Most plants and animals have genomes greater than _____.

Select the correct option

☒	100 Mb	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	50 Mb	
☐	1000 Mb	
☐	500 Mb	

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31°C Haze 1:54 AM 6/13/2022

BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 8 of 10 (Start time: 01:54:03 AM, 13 June 2022)

Total Marks: 1

_____ sequencing used to sequence the genomes.

Select the correct option

☐	Open chain
☐	Deoxy
☒	Dideoxy
☐	Closed chain

Answers Solved By Amaan Khan
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31°C Haze 1:54 AM 6/13/2022

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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 9 of 10 (Start time: 01:54:34 AM, 13 June 2022)

Total Marks: 1

Gene sequencing is necessary to identify the _____ fact about gene

Select the correct option

☐	Gene number
☒	All given
☐	Gene Function
☐	Gene Location

Answers Solved By Amaan Khan
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BT504:QUIZ#1

Quiz Start Time: 01:48 AM, 13 June 2022

Question # 10 of 10 (Start time: 01:55:20 AM, 13 June 2022)

Total Marks: 1

_____ are homologous that are related by an interspecies of the genetic material for one of the homologues.

Select the correct option

☐	Analogues
☒	Xenologues
☐	Orthologues
☐	Paralogues

Answers Solved By Amaan Khan
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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 1 of 10 (Start time: 01:41:12 AM, 13 June 2022)

Total Marks: 1

Fungi have about _____ genes.

Select the correct option

☒	5000	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	1000	
☐	500	
☐	100	

BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 2 of 10 (Start time: 01:41:48 AM, 13 June 2022)

Total Marks: 1

Functional Genomics relies on all of these except _____

Select the correct option

☐	Molecular Biology	
☒	Biotechnology	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Biochemistry	
☐	Genetics	

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 3 of 10 (Start time: 01:42:47 AM, 13 June 2022)

Total Marks: 1

In Human Genome Project, _____ assembled sequences into chromosomes.

Select the correct option

☐	microscope
☒	computer program
☐	robots
☐	manual labor

Answers Solved By Amaan Khan
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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 4 of 10 (Start time: 01:43:42 AM, 13 June 2022)

Total Marks: 1

In human genome chromosome ____ has the most genes, and the ____ chromosome has the fewest.

Select the correct option

☒	1.Y
☐	1,22
☐	2.Y
☐	1.X

Answers Solved By Amaan Khan
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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 5 of 10 (Start time: 01:44:24 AM, 13 June 2022)

Total Marks: 1

Most plants and animals have genomes greater than _____.

Select the correct option

☒	100 Mb	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	500 Mb	
☐	50 Mb	
☐	1000 Mb	

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 6 of 10 (Start time: 01:44:48 AM, 13 June 2022)

Total Marks: 1

Protein 2D gel electrophoresis is a step of _____.

Select the correct option

☐	Genome informatics	
☐	Genome sequencing	
☐	Genome analysis	
☒	Genome analysis	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 7 of 10 (Start time: 01:45:25 AM, 13 June 2022)

Total Marks: 1

the size of mitochondrial genome in animal is _____

Select the correct option

☐	11-16 Kb
☐	10-16 Kb
☐	13-16 Kb
☒	15-16 Kb

Answers Solved By Amaan Khan
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Quiz Start Time: 01:41 AM, 13 June 2022

Question # 8 of 10 (Start time: 01:46:11 AM, 13 June 2022)

Total Marks: 1

_____ analyzes all genes in genomes to determine their functions and their gene control and expression.

Select the correct option

☐	Comparative genomics
☐	Applied genomics
☐	Structural genomics
☒	Functional genomics

Answers Solved By Amaan Khan
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Quiz Start Time: 01:41 AM, 13 June 2022

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 9 of 10 (Start time: 01:46:37 AM, 13 June 2022)

Total Marks: 1

Human Genome Project was started in ____

Select the correct option

☒	1990	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	1996	
☐	2003	
☐	1980	

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

Question # 10 of 10 (Start time: 01:47:05 AM, 13 June 2022)

Total Marks: 1

Exposure to _____ breaks the DNA in human cells

Select the correct option

☐	Alpha rays	
☐	UV rays	
☒	X rays	Answers Solved By Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Sun rays	

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BT504:QUIZ#1

Quiz Start Time: 01:41 AM, 13 June 2022

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