



BT511T

Quiz no 1

Solved by tabih fatima

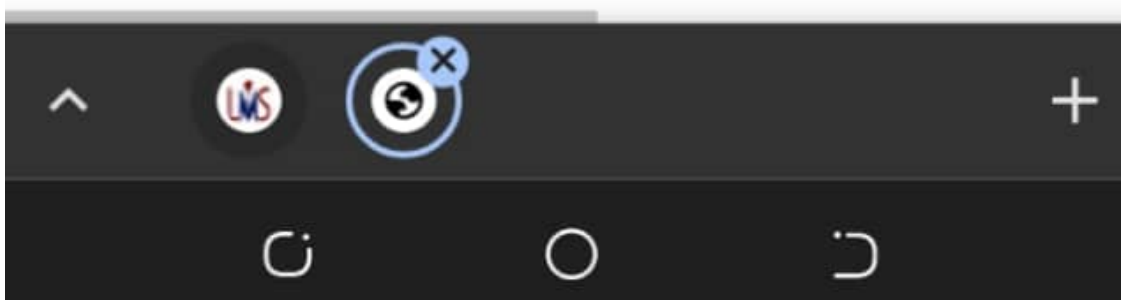


Question # 1 of 10 (Start time: 08:35:03 AM, 09 June 2022)

The technique which is used to amplify the DNA is _____

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | Cloning |
| ☐ | karyotyping |
| ☐ | hybridization |
| ☒ | PCR |



Question # 2 of 10 (Start time: 08:35:48 AM, 09 June 2022)

T

The _____ backbones of alternating deoxyribose and phosphate groups are outside the double helix, facing the surrounding water

Select the correct option

[Reload Me](#)

☒	Hydrophilic
☐	Depolarized
☐	Ionized
☐	Hydrophobic

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

Question # 3 of 10 (Start time: 08:36:05 AM, 09 June 2022)

Total Marks: 1

The scientist, _____ gave the most important clue of structure of DNA before 1953.

Select the correct option

[Reload Math Equations](#)

Erwin Chargaff



James Watson



Har Gobind Khurana



Franklin Erwin

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

Question # 6 of 10 (**Start time: 08:37:37 AM, 09 June 2022**)

Which of the following is wrongly paired?

Select the correct option

☐	Phospholipids –phosphate linkage
☐	Polysaccharide – glycosidic bond
☒	Nucleic acid – hydrogen bond
☐	Proteins – peptide bond

Question # 7 of 10 (**Start time: 08:39:42 AM, 09 June 2022**)

What is the composition of nucleotide?

Select the correct option

☐	Base + Sugar
☐	Base + Phosphate
☒	Base + Sugar + Phosphate
☐	Sugar + Phosphate

Question # 8 of 10 (**Start time: 08:40:13 AM, 09 June 2022**)

The first step in genome analysis is to_____

Select the correct option

☐	Identify repetitive sequences
☐	Perform Microarray analysis
☐	Look for EST and cDNA sequences
☐	Assemble the genome sequence



Question # 10 of 10 (Start time: 08:41:32 AM, 09 June 2022)

Genomics is the study of genomes. Genome refers to the -----

Select the correct option

☐	Entire set of genes of an organism
☒	Entire set of DNA, RNA & Proteins of an organism
☐	Transcribing DNA of organisms
☐	Total DNA, RNA and cDNA of an organism

Question # 9 of 10 (**Start time: 08:41:04 AM, 09 June 2022**)

The sugar molecule in RNA is _____

Select the correct option

☒	Ribose
☐	Deoxyribose
☐	Fructose
☐	Hexose

Question # 5 of 10 (Start time: 08:37:00 AM, 09 June 2022)

Which of the following is a correct definition of genetics?

Select the correct option

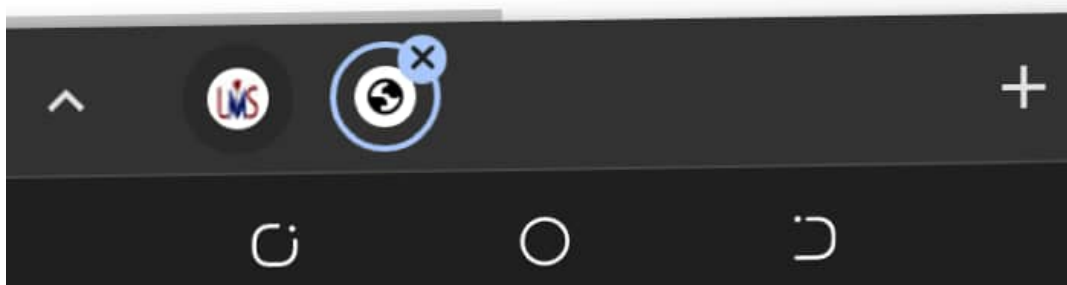
- | | |
|----------------------------------|--|
| ☐ | The study of transmission of traits from parent to offspring |
| ☐ | The study of variation between members of a species |
| ☐ | The study of DNA |
| ☒ | The study of genes and traits defined by genes |

Question # 4 of 10 (Start time: 08:36:52 AM, 09 June 2022)

In RNA, the pairing of Uracil is with _____

Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | Cytosine |
| ☐ | Guanine |
| ☒ | Adenine |
| ☐ | Thymine |



BT511T:Pre-Mid Quiz#1

Question # 1 of 10 (Start time: 08:35:03 AM, 09 June 2022)

The technique which is used to amplify the DNA is _____

Select the correct option

☐	Cloning
☐	karyotyping
☐	hybridization
☐	PCR



Question # 7 of 10 (**Start time: 08:26:39 AM, 09 June 2022**)

The process of forming mRNA on a DNA template is called_____

Select the correct option

☐	RNA Splicing
☒	Transcription
☐	Translation
☐	Transposition

BT511T:Pre-Mid Quiz#1

Question # 6 of 10 (Start time: 08:24:31 AM, 09 June 2022)

The first step in genome analysis is to_____

▶ Select the correct option

- | | |
|----------------------------------|---------------------------------|
| ☐ | Identify repetitive sequences |
| ☒ | Assemble the genome sequence |
| ☐ | Perform Microarray analysis |
| ☐ | Look for EST and cDNA sequences |

BT511T:Pre-Mid Quiz#1

Question # 5 of 10 (Start time: 08:23:44 AM, 09 June 2022)

There are _____ types of deoxy-ribonucleotides that make the structural units of DNA

Select the correct option

☐	3
☐	2
☒	4
☐	5

8:23

10 B/s 56



quiz.vu.edu.pk/Qui



2



BC220208619: SAAD MAHMOOD

BT511T:Pre-Mid Quiz#1

Quiz Start T

Question # 4 of 10 (Start time: 08:21:46 AM, 09 June 2022)

A segment of DNA has 120 adenine and 120 cytosine bases. The total number of nucleotides present in the segment is _____

Select the correct option



60



120



480



240



Click to Save Answer



Question # 3 of 10 (Start time: 08:20:31 AM, 09 June 2022)

Molecules which play the key role in the transfer of genetic information during protein synthesis are _

Select the correct option

☒	RNA
☐	Carbohydrates
☐	Fats
☐	DNA



Franklin and Wilkins performed the _____ for analysis of DNA fibers

Select the correct option

☐	Chromatography
☐	Western blotting
☒	X-ray diffraction
☐	Southern blotting

In RNA, the pairing of Uracil is with _____

Select the correct option

☐	Guanine
☒	Adenine
☐	Cytosine
☐	Thymine

In RNA, the pairing of Uracil is with _____

Select the correct option

☐	Guanine
☐	Adenine
☐	Cytosine
☐	Thymine