

Question # 1 of 30 ( Start time: 12:53:43 PM, 26 June 2021 )

Amount of free energy released or used in a chemical reaction is dependent on which of the following factors

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | Absolute temperature |
| <input type="radio"/> | Enthalpy             |
| <input type="radio"/> | a,b and c            |
| <input type="radio"/> | Entropy              |



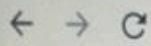
Question # 24 of 30 ( Start time: 01:15:29 PM, 26 June 2021 )

Ethidium bromide is fluorescent and fluoresce under — make DNA visible

Select the correct option

- UV light
- Infrared light
- Visible light
- Sunlight





Question # 16 of 30 ( Start time: 01:08:24 PM, 26 June 2021 )

The cytoskeleton supports the cell, and also provide its function in \_\_\_\_\_

Select the correct option

- |                       |                    |
|-----------------------|--------------------|
| <input type="radio"/> | Cell signaling     |
| <input type="radio"/> | Cell division      |
| <input type="radio"/> | Molecule transport |
| <input type="radio"/> | All given          |

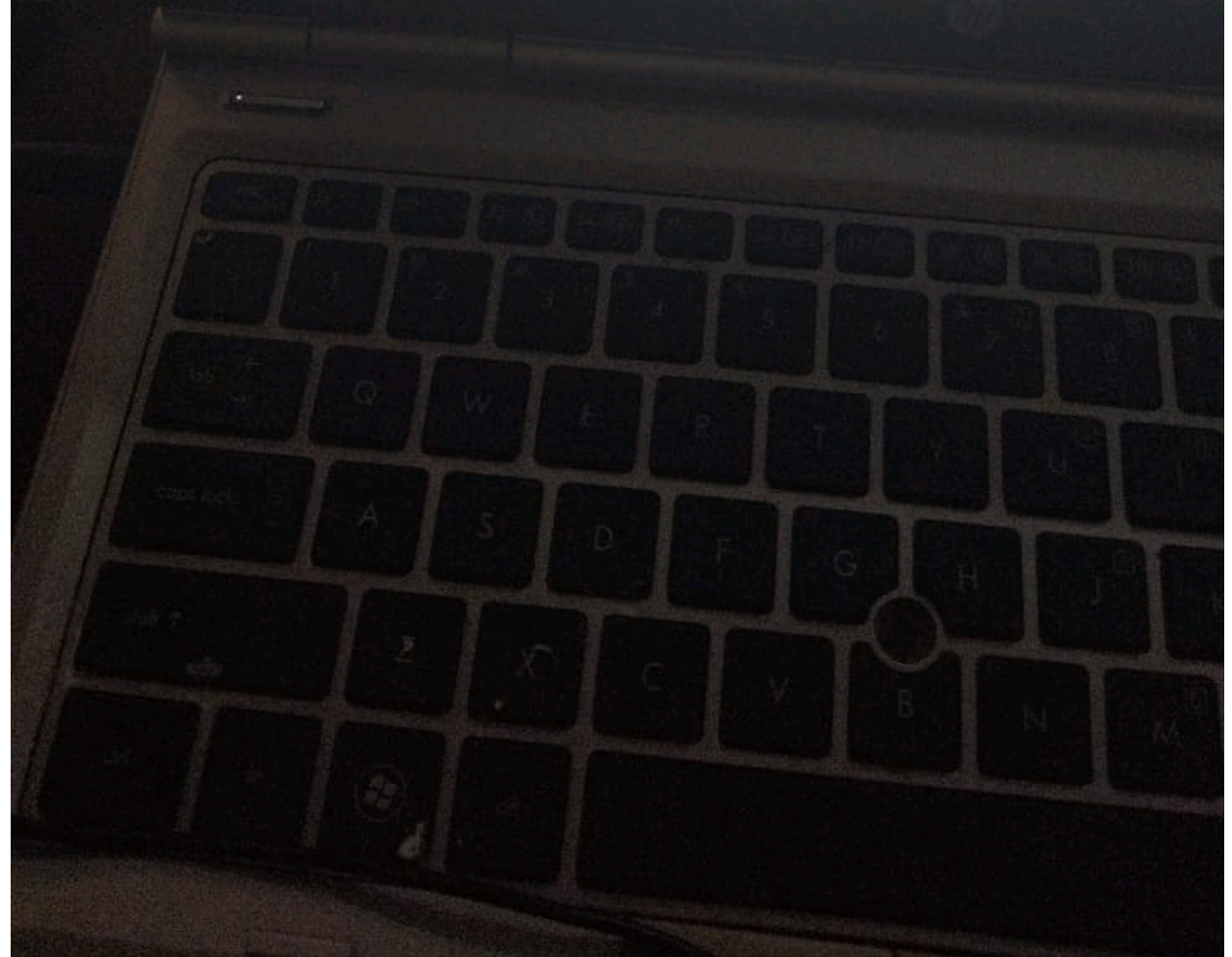


Question # 19 of 30 ( Start time: 01:10:53 PM, 26 June 2021 )

IQ of down syndrome child lies between —and —

Select the correct option

- 20-24
- 11-18
- 12-20
- 25-50



Question # 21 of 30 ( Start time: 01:12:38 PM, 26 June 2021 )

The general formula of carbohydrates is

Select the correct option

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | $C_2HO$     |
| <input type="radio"/> | $C_2H_2O_2$ |
| <input type="radio"/> | $CH_2O$     |
| <input type="radio"/> | $CHO_2$     |

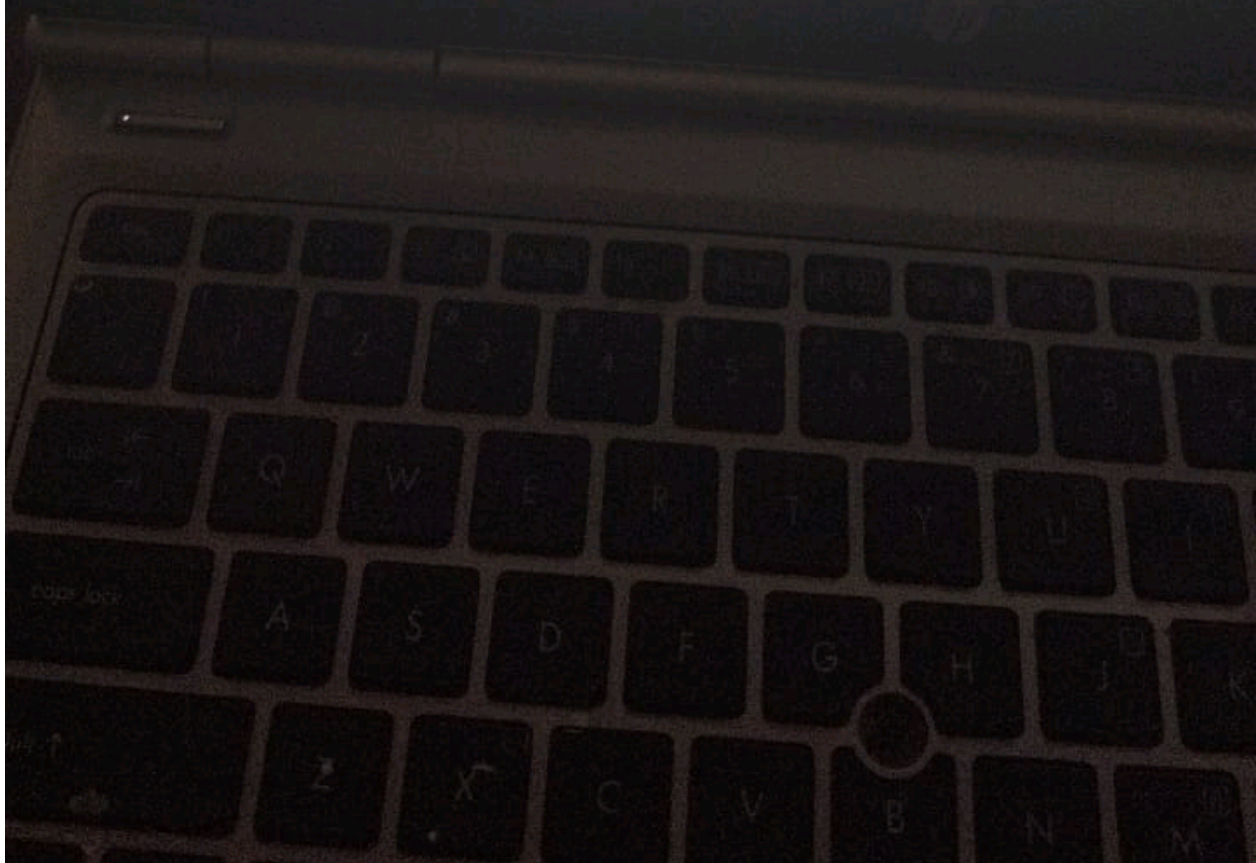
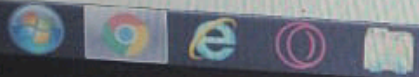


Question # 22 of 30 ( Start time: 01:13:14 PM, 26 June 2021 )

RNA polymerase moves from 3 to 5 prime direction and synthesize in ---

Select the correct option

- in direction of okazaki fragment
- 5 to 3 prime
- 3 to 5 prime
- In any direction





When any individual produces gametes, so that each gamete receives only one member of the alleles, this definition applies to..

Select the correct option

- Mendel's Second law
- Law of independent assortment
- First law of segregation
- Law of probability



# Quiz

quiz.vu.edu.pk



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 27 of 30 ( Start time: 11:59:31 AM, 26 June 2021 )

Total Marks: 1

tRNA has --- nucleotides with internal H bonding

Select the correct option

Reload Math Equations

- 75-80
- 50-55
- 40-50
- 30-60

Click to Save Answer & Move to Next Question



WhatsApp

11:56 AM

21 messages from 7 chats

quiz.vu.edu.pk

BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 26 of 30 ( Start time: 11:57:10 AM, 26 June 2021 )

Total Marks: 1

\_\_\_\_\_ is the primary barrier between mitochondrial enzymes and cytosol.

Select the correct option

- Inner membrane
- Matrix
- Cristae
- Outer membrane

Click to Save Answer & Move to Next Question

Question # 14 of 30 ( Start time: 12:00:26 PM, 26 June 2021 )

Formation of  $\text{NH}_3$  molecule from  $\text{H}_2$  and  $\text{N}_2$  is carried out at \_\_\_\_\_ temperature

Select the correct option



450-500 °C



250-300 °C



350-400 °C



150-200 °C





BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 30 of 30 ( Start time: 12:04:01 PM, 26 June 2021 )

Total Marks: 1

What is the frequency of homologous recombination in mitotic cells?

Select the correct option

- 10%
- 30%
- 25%
- 0%

Click to Save Answer & Move to Next Question



WhatsApp

12:01 PM

20 messages from 7 chats

quiz.vu.edu.pk

BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 29 of 30 ( Start time: 12:02:30 PM, 26 June 2021 )

Total Marks: 1

Chromosomes are made up of --- types of polymers

Select the correct option

- |                       |                  |
|-----------------------|------------------|
| <input type="radio"/> | DNA              |
| <input type="radio"/> | DNA and proteins |
| <input type="radio"/> | Proteins         |
| <input type="radio"/> | Enzymes          |

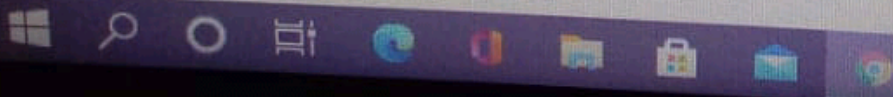
Click to Save Answer & Move to Next Question

Question # 19 of 30 ( Start time: 12:06:24 PM, 26 June 2021 )

Small subunit of ribosome contain ---- polypeptides

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | 44 polypeptides |
| <input type="radio"/> | 66 polypeptides |
| <input type="radio"/> | 33 Polypeptides |
| <input type="radio"/> | 55 polypeptides |





# Quiz

quiz.vu.edu.pk



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 25 of 30 ( Start time: 11:56:00 AM, 26 June 2021 )

Total Marks: 1

Denaturation of DNA is done at---temperature

Select the correct option

Reload Math Equations

- 105
- 72
- 55
- 95

Click to Save Answer & Move to Next Question

Question # 1 of 30 ( Start time: 12:16:03 PM, 26 June 2021 )

Active site present in the .....

Select the correct option

- |                       |           |
|-----------------------|-----------|
| <input type="radio"/> | Product   |
| <input type="radio"/> | a and c   |
| <input type="radio"/> | Enzyme    |
| <input type="radio"/> | Substrate |

Question # 2 of 30 ( Start time: 12:17:21 PM, 26 June 2021 )

Head domain of phospholipids is—

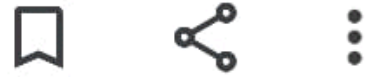
Select the correct option

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | Protein     |
| <input type="radio"/> | Hydrophilic |
| <input type="radio"/> | Hydrophobic |
| <input type="radio"/> | Amphiphatic |

Purine has—structure

Select the correct option

<input type="radio"/>	Branched structure
<input type="radio"/>	Single ringed
<input type="radio"/>	Linear structure
<input type="radio"/>	Double ringed



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 23 of 30 ( Start time: 11:53:27 AM, 26 June 2021 )

Total Marks: 1

A cytoskeleton is present in all cells of \_\_\_\_\_  
organism

Select the correct option

- Bacteria
- Archaea
- Eukaryotes
- All given

Click to Save Answer & Move to Next Question



Delta G (Tangent free energy)tells us the ....

Select the correct option

- equilibrium point of the reaction
- Speed of the reaction
- Products quantity at the end of the reaction
- initial quantity of reactants before the start of reaction

Click to Save Answer & Move to Next Question



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 22 of 30 ( Start time: 11:51:44 AM, 26 June 2021 )

Total Marks: 1

Which of the following is not an aspect of translational-level control?

Select the correct option

- mRNA stability
- mRNA degradation
- mRNA translation
- mRNA localization

Click to Save Answer & Move to Next Question



WhatsApp

11:49 AM

18 messages from 6 chats

quiz.vu.edu.pk

BC190200010: HAFIZA SADIA RUBAB

Time Left 90 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 21 of 30 ( Start time: 11:50:08 AM, 26 June 2021 )

Total Marks: 1

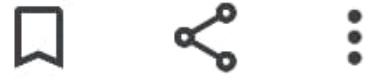
Large subunit of ribosome contain--polypeptides

Select the correct option

Reload Math Equations

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | 45 polypeptides |
| <input type="radio"/> | 25 polypeptides |
| <input type="radio"/> | 38 polypeptides |
| <input type="radio"/> | 55 Polypeptides |

Click to Save Answer & Move to Next question



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 19 of 30 ( Start time: 11:47:28 AM, 26 June 2021 )

Total Marks: 1

\_\_\_\_\_ is the site for lipid synthesis

Select the correct option

- Smooth endoplasmic reticulum
- Ribosomes
- golgi apparatus
- Rough endoplasmic reticulum

Click to Save Answer & Move to Next Question



WhatsApp

11:46 AM

18 messages from 6 chats

quiz.vu.edu.pk

BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 18 of 30 ( Start time: 11:46:39 AM, 26 June 2021 )

Total Marks: 1

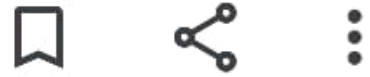
Uracil is present only in

Select the correct option

Reload Math Equations

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | RNA         |
| <input type="radio"/> | DNA and RNA |
| <input type="radio"/> | Proteins    |
| <input type="radio"/> | DNA         |

Click to Save Answer & Move to Next Question



BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 15 of 30 ( Start time: 11:42:21 AM, 26 June 2021 )

Total Marks: 1

Which one is recognized by translating machinery

Select the correct option

- Enzyme
- DNA
- tRNA
- Amino acid

Click to Save Answer & Move to Next Question



WhatsApp

11:44 AM

14 messages from 5 chats

quiz.vu.edu.pk

BC190200010: HAFIZA SADIA RUBAB

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 17 of 30 ( Start time: 11:44:39 AM, 26 June 2021 )

Total Marks: 1

Stitching two different DNAs together is

Select the correct option

- Genetic engineering
- Translation
- Replication
- Transcription

Click to Save Answer & Move to Next Question

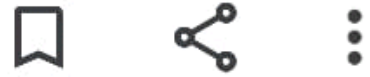


\_\_\_\_\_ type of transport does not require any input of energy to drive the process

Select the correct option

- Active transport
- Passive Transport
- Effusion
- Diffusion

Click to Save Answer & Move to Next Question



BC190200010: HAFIZA SADIA RUBAB

Time Left 87 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 11:23 AM, 26 June 2021

Question # 20 of 30 ( Start time: 11:48:24 AM, 26 June 2021 )

Total Marks: 1

Taqman is probe present in ---

Select the correct option

Reload Math Equations

- Nested PCR
- Long PCR
- Multiplex PCR
- Quantitative RT-PCR

Click to Save Answer & Move to Next Question



BC200410911: FIZA HAYAT

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 23 of 30 ( Start time: 03:16:09 PM, 26 June 2021 )

Total Marks: 1

Which of the following type of dominance is present in ABO blood groups system :

**Select the correct option**

<input type="radio"/>	Incomplete dominance
<input type="radio"/>	Epistasis
<input type="radio"/>	Co-dominance
<input type="radio"/>	Partial dominance

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



Question # 25 of 30 ( Start time: 03:18:40 PM, 26 June 2021 )

Total Marks: 1

Lysosomes contain more than 50 types of \_\_\_\_\_ enzymes

Select the correct option

<input type="radio"/>	Proteases
<input type="radio"/>	Lipases
<input type="radio"/>	Amylases
<input type="radio"/>	Hydrolases

Click to Show Answer &amp; Move to Next Question





BC200410911: FIZA HAYAT

Time Left 87 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 24 of 30 ( Start time: 03:17:22 PM, 26 June 2021 )

Total Marks: 1

Error rate for DNA polymerase is—

Select the correct option

- |                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | 1000 mutation/divisions |
| <input type="radio"/> | 500 mutation/division   |
| <input type="radio"/> | 400 mutation/Division   |
| <input type="radio"/> | 2000 mutation/Division  |

Click to Save Answer &amp; Move to Next Question





Question # 22 of 30 ( Start time: 03:15:31 PM, 26 June 2021 )

Total Marks: 1

---- is main component in gel electrophoreses assembly which separate DNA strands.

Select the correct option

[Reload Math Equations](#)

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | Dyes        |
| <input type="radio"/> | Gel tank    |
| <input type="radio"/> | Buffer      |
| <input type="radio"/> | Agarose gel |

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



Question # 20 of 30 ( Start time: 03:13:43 PM, 26 June 2021 )

Total Marks: 1

TTAGGG present on tips of chromosomes and repeated

Select the correct option

<input checked="" type="radio"/>	3000 times
<input type="radio"/>	2500 times
<input type="radio"/>	4500 times
<input type="radio"/>	400 times only

Click to Save Answer &amp; Move to Next Question





BC200410911: FIZA HAYAT

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 21 of 30 ( Start time: 03:14:48 PM, 26 June 2021 )

Total Marks: 1

Heme, Flavin and Retinal are...

Select the correct option

<input type="radio"/>	Prosthetic group
<input type="radio"/>	Coenzymes
<input type="radio"/>	cofactors
<input type="radio"/>	a and c

Click to Save Answer &amp; Move to Next Question





Question # 19 of 30 ( Start time: 03:12:35 PM, 26 June 2021 )

Total Marks: 1

Bond between two hydrogen is-----

Select the correct option

Reload Math Equations

<input type="radio"/>	Covalent bond
<input type="radio"/>	Metallic bond
<input type="radio"/>	Ionic bond
<input type="radio"/>	Coordinate covalent bond

Click to Save Answer &amp; Move to Next Question



BC200410911: FIZA HAYAT

Time Left 88 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 18 of 30 ( Start time: 03:11:28 PM, 26 June 2021 )

Total Marks: 1

Agarose gel is made of

Select the correct option

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Moss          |
| <input type="radio"/> | Yeast         |
| <input type="radio"/> | Peptidoglycan |
| <input type="radio"/> | Sea weeds     |

Click to Show Answer or Move to Next Question





BC200410911: FIZA HAYAT

Time Left 88 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 17 of 30 ( Start time: 03:10:19 PM, 26 June 2021 )

Total Marks: 1

Which of the following are stop codon

Select the correct option

Reload Math Equations

<input type="radio"/>	UAA
<input type="radio"/>	All given options are correct
<input type="radio"/>	UGA
<input type="radio"/>	UAG

Click to Show Answer &amp; Move to Next Question





WHATSAPP

now

# MFRS' TL ❤️ @ QueryVU | BT | BIO Tetravalent

BIO201: Grand Quiz

Quiz Start Time: 02:50 PM, 20 June 2021

Question # 16 of 30 ( Start time: 03:09:17 PM, 26 June 2021 )

Total Marks: 1

\_\_\_\_\_ is the primary barrier between mitochondrial enzymes and cytosol.

Select the correct option

- |                       |                |
|-----------------------|----------------|
| <input type="radio"/> | Outer membrane |
| <input type="radio"/> | Inner membrane |
| <input type="radio"/> | Cristae        |
| <input type="radio"/> | Matrix         |

Click to Save Answer & Move to Next Question





BC200410911: FIZA HAYAT

Time Left 81 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 15 of 30 ( Start time: 03:08:41 PM, 26 June 2021 )

Total Marks: 1

Carbon is ---- element

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	Tetravalent
<input type="radio"/>	Divalent
<input type="radio"/>	Monovalent
<input type="radio"/>	Trivalent

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



BC200410911: FIZA HAYAT

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 11 of 30 ( Start time: 03:04:55 PM, 26 June 2021 )

Total Marks: 1

Glycosidic linkage is between ----and --- element

Select the correct option

Reload Math Equations

- |                       |     |
|-----------------------|-----|
| <input type="radio"/> | C,S |
| <input type="radio"/> | C,H |
| <input type="radio"/> | C,O |
| <input type="radio"/> | C,N |

Click to Show Answer &amp; Move to Next Question





BC200410911: FIZA HAYAT

Time Left 89 sec(s)

BIO201:Grand Quiz

Quiz Start Time: 02:56 PM, 26 June 2021

Question # 13 of 30 ( Start time: 03:06:46 PM, 26 June 2021 )

Total Marks: 1

Fredrick Griffith worked on—principle.

Select the correct option

<input type="radio"/>	Acid fast staining principle
<input type="radio"/>	Hereditary principle
<input type="radio"/>	Transformation principle
<input type="radio"/>	Gram stain principle

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



Question # 14 of 30 ( Start time: 03:08:01 PM, 26 June 2021 )

Total Marks: 1

Combination of DNA and protein produces

Select the correct option

<input type="radio"/>	Nucleotides
<input type="radio"/>	Polypeptides
<input type="radio"/>	Chromosomes
<input type="radio"/>	Amino acid

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



BC180407592: SAMRA SARWAR

BIO201:Grand Quiz

Question # 29 of 30 ( Start time: 02:51:12 PM, 26 June 2021 )

PCR can detect ----

Select the correct option

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | HCV virus     |
| <input type="radio"/> | All mentioned |
| <input type="radio"/> | HIV virus     |
| <input type="radio"/> | HBV virus     |



Which sequence present at tip of chromosome and repeatedly present

Select the correct option



CCTTGA



TTTGGG



TTAGGG



AATTCG



Hershey and chase proposed that DNA is heredity material in---

Select the correct option

- 1944
- 1970
- 1988
- 1930

Click to Save Answer & Move to Next Question





BC180407592: SAMRA SARWAR

BIO201:Grand Quiz

Question # 26 of 30 ( Start time: 02:48:08 PM, 26 June 2021 )

Formula of glucose is

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | $C_2H_5OH$           |
| <input type="radio"/> | $C_6H_{12}O_6$       |
| <input type="radio"/> | $C_{12}H_{22}O_{11}$ |
| <input type="radio"/> | $CH_3COOH$           |



## BIO201:Grand Quiz

Question # 25 of 30 ( Start time: 02:46:19 PM, 26 June 2021 )

The formula for calculating the diversity of protein is---

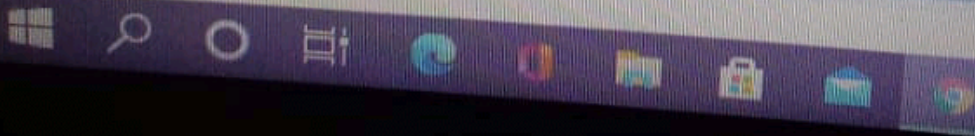
Select the correct option

- |                       |          |
|-----------------------|----------|
| <input type="radio"/> | $2n^3$   |
| <input type="radio"/> | $n^{20}$ |
| <input type="radio"/> | $2n^2$   |
| <input type="radio"/> | $20n$    |

Alkaptonuria is commonly known as

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Turbid urine |
| <input type="radio"/> | Black urine  |
| <input type="radio"/> | Hazy urine   |
| <input type="radio"/> | Cloudy urine |



Question # 6 of 30 ( Start time: 11:51:59 AM, 26 June 2021 )

Effect of one gene dependent on the presence of other gene. This phenomenon is called---

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | Epistasis            |
| <input type="radio"/> | Co-dominance         |
| <input type="radio"/> | Pleiotropy           |
| <input type="radio"/> | Incomplete dominance |



Question # 4 of 30 ( Start time: 11:49:47 AM, 26 June 2021 )

The most abundant molecule in cell are---

Select the correct option

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Carbohydrates |
| <input type="radio"/> | Lipids        |
| <input type="radio"/> | Proteins      |
| <input type="radio"/> | Vitamins      |



Question # 2 of 30 ( Start time: 11:47:54 AM, 26 June 2021 )

\_\_\_\_\_ are a group of related motor proteins that use a microtubule track in movement

Select the correct option

- |                       |          |
|-----------------------|----------|
| <input type="radio"/> | Actin    |
| <input type="radio"/> | Tubulin  |
| <input type="radio"/> | Myosin   |
| <input type="radio"/> | Kinesins |



Question # 5 of 30 ( Start time: 11:50:33 AM, 26 June 2021 )

When any individual produces gametes, so that each gamete receives only one member of the alleles, this definition applies to .

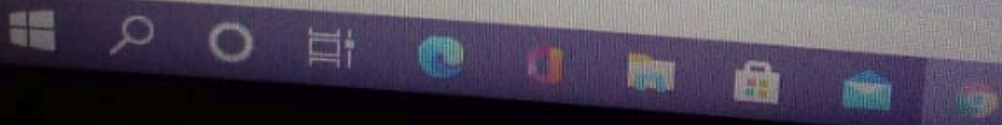
Select the correct option

- |                       |                               |
|-----------------------|-------------------------------|
| <input type="radio"/> | First law of segregation      |
| <input type="radio"/> | Mendel's Second law           |
| <input type="radio"/> | Law of independent assortment |
| <input type="radio"/> | Law of probability            |

Enzyme used in PCR process

Select the correct option

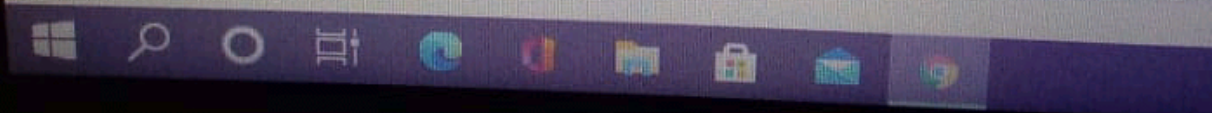
<input type="radio"/>	<i>Thermus hydrophila</i>
<input type="radio"/>	<i>Thermus fario</i>
<input type="radio"/>	<i>Thermus aquaticus</i>
<input type="radio"/>	<i>Thermus punctata</i>



Ideal Temperature for primer annealing is---

Select the correct option

- |                       |    |
|-----------------------|----|
| <input type="radio"/> | 95 |
| <input type="radio"/> | 80 |
| <input type="radio"/> | 55 |
| <input type="radio"/> | 73 |



Question # 26 of 30 ( Start time: 11:40:57 AM, 26 June 2021 )

----site on ribosome where charged tRNA lands with the help of transfer factor

Select the correct option

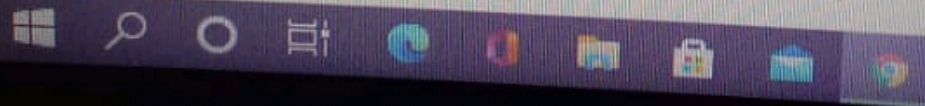
- T site
- P site
- A site
- E site



Sugar in DNA and RNA has difference on carbon number

Select the correct option

- |                       |   |
|-----------------------|---|
| <input type="radio"/> | 4 |
| <input type="radio"/> | 5 |
| <input type="radio"/> | 6 |
| <input type="radio"/> | 2 |





stop codon is



messenger RNA (mRNA) molecule that signals a halt to protein synthesis. ... Of the 64 possible combinations of three bases, 61 specify an amino acid, while the remaining three combinations are **stop codons**.

<https://www.genome.gov> › Stop-Co...

## Stop Codon - National Human Genome Research Institute

More results

Is AUG a stop codon?



The full set of relationships between **codons** and amino acids (or **stop** signals) is called the genetic code. ... Each three-letter sequence of mRNA nucleotides corresponds to a specific amino acid, or to a **stop codon**. UGA, UAA, and UAG are **stop codons**. **AUG** is the **codon** for methionine, and is also the start **codon**.

<https://www.khanacademy.org> › the...

## The genetic code & codon table (article) | Khan Academy



Discover



Snapshot



Search



Collections



More

