

# BIO202, Quiz1, Spring 21

**Muhammad Kashif**  
**03064963933**



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BIO202:Quiz

Quiz Start Time: 07:35 PM, 29 July 2

Question # 10 of 10 ( Start time: 07:43:08 PM, 29 July 2021 )

Total Mar

When fructose and glucose are linked through glycosidic linkage, they form a disaccharide known as \_\_\_\_\_.

Select the correct option



maltose



lactose



sucrose



cellobiose

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 07:35 PM, 29 Jul

Question # 9 of 10 ( Start time: 07:42:06 PM, 29 July 2021 )

Total M

The substitution of a hydrogen for the hydroxyl group at C-6 of L-mannose produces \_\_\_\_\_.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | L-rhamnose    |
| <input type="radio"/>            | D-mannose     |
| <input type="radio"/>            | L-mannosamine |
| <input type="radio"/>            | L-glucose     |

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

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BIO202:Quiz

Time Left sec(s)  
Quiz Start Time: 07:35 PM, 29 July 21

Question # 8 of 10 ( Start time: 07:41:29 PM, 29 July 2021 )

Total Mark

The protein \_\_\_\_\_, formed by all vertebrates, is the chief structural component of hair, scales, horn, wool, nails, and feathers.

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | heamoglobin |
| <input checked="" type="radio"/> | keratin     |
| <input type="radio"/>            | luciferin   |
| <input type="radio"/>            | collagen    |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 07:35 PM, 29 Jul

Question # 7 of 10 ( Start time: 07:40:44 PM, 29 July 2021 )

Total M

Isomeric forms of monosaccharides that differ only in their configuration about the hemiacetal or hemiketal carbon atom are called \_\_\_\_\_.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | anomers       |
| <input type="radio"/>            | stereoisomers |
| <input type="radio"/>            | enantiomers   |
| <input type="radio"/>            | epimers       |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



Many antibiotics, like erythromycin, contain sugar derivatives such as \_\_\_\_\_ that are important for their antibiotic activity. .

Select the correct option

- |                                  |                       |
|----------------------------------|-----------------------|
| <input type="radio"/>            | carboxylated sugars   |
| <input type="radio"/>            | phosphorylated sugars |
| <input checked="" type="radio"/> | amino sugars          |
| <input type="radio"/>            | oxidized sugars       |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



D10202: QUIZ

Quiz Start Time: 07:00 PM, 29 J

Question # 5 of 10 ( Start time: 07:39:27 PM, 29 July 2021 )

Total

In the open-chain form of carbohydrates, one of the carbon atoms is double-bonded to an oxygen atom to form a \_\_\_\_\_.

Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | Carboxyl group |
| <input type="radio"/>            | Ketone group   |
| <input type="radio"/>            | Aldehyde group |
| <input checked="" type="radio"/> | Carbonyl group |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Time Left sec(s)  
Quiz Start Time: 07:35 PM, 29 July 20

Question # 4 of 10 ( Start time: 07:38:45 PM, 29 July 2021 )

Total Mark:

\_\_\_\_\_ is a levorotatory sugar and also known as levulose.

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input type="radio"/>            | glucose   |
| <input type="radio"/>            | mannose   |
| <input checked="" type="radio"/> | fructose  |
| <input type="radio"/>            | galactose |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 07:35 PM, 29 July

Question # 3 of 10 ( Start time: 07:37:54 PM, 29 July 2021 )

Total Me

Glucuronide is a soluble, non-toxic compound that is excreted in the urine. It is produced when \_\_\_\_\_ forms conjugates with toxic substances including drugs, hormones and bilirubin.

Select the correct option

- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | glyceraldehyde  |
| <input checked="" type="radio"/> | glucuronic acid |
| <input type="radio"/>            | gluconic acid   |
| <input type="radio"/>            | glucose         |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif





BIO202:Quiz

Quiz Start Time: 07:35 PM, 29 July

Question # 2 of 10 ( Start time: 07:37:38 PM, 29 July 2021 )

Total M

Different sugars are utilized in various ways in the human body and hence occur in varying amounts in body fluids. Which fluid is rich in fructose?

Select the correct option

- |                                  |                     |
|----------------------------------|---------------------|
| <input type="radio"/>            | cerebrospinal fluid |
| <input type="radio"/>            | tissue fluid        |
| <input type="radio"/>            | blood               |
| <input checked="" type="radio"/> | seminal fluid       |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



BIO202-Quiz

Quiz Start Time: 07:12 PM, 29 July 2021

Question 4 of 10 ( Start time: 07:19:08 PM, 29 July 2021 )

Total Mar

Simplest carbohydrate is \_\_\_\_\_

Select the correct option:

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | Glyceraldehyde |
| <input checked="" type="radio"/> | Glucose        |
| <input type="radio"/>            | Sucrose        |
| <input type="radio"/>            | Glycerine      |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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BIO202:Quiz

Time Left: 30 sec(s)  
Quiz Start Time: 07:12 PM, 29 July 2021

Question # 10 of 10 ( Start time: 07:22:18 PM, 29 July 2021 )

Total Marks: 10

The hydrolysis of starch by the enzyme 'amylase' produces maltose. In the human body, maltose is further hydrolyzed by the enzyme maltase (present in intestinal brush border) to produce \_\_\_\_\_.

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | glucose     |
| <input type="radio"/>            | mannose     |
| <input type="radio"/>            | galactose   |
| <input type="radio"/>            | maltotrisoe |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





Upon reaction with strong acids pentoses produce \_\_\_\_\_ while hexoses produce \_\_\_\_\_.

Select the correct option

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| <input checked="" type="radio"/> | furfural, hydroxy methyl furfural |
| <input type="radio"/>            | deoxy sugars, amino sugars        |
| <input type="radio"/>            | hydroxy methyl furfural, furfural |
| <input type="radio"/>            | aldehydes, ketone                 |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BIO202:Quiz

Quiz Start Time: 07:12 PM, 29 July :

Question # 5 of 10 ( Start time: 07:17:18 PM, 29 July 2021 )

Total Mar

Immunoglobulins are \_\_\_\_\_ in nature.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Carbohydrates |
| <input checked="" type="radio"/> | Proteins      |
| <input type="radio"/>            | None of these |
| <input type="radio"/>            | Lipids        |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Glucuronide is a soluble, non-toxic compound that is excreted in the urine. It is produced when \_\_\_\_\_ forms conjugates with toxic substances including drugs, hormones and bilirubin.

Select the correct option

- ☐ glucose
- ☐ gluconic acid
- ☐ glyceraldehyde
- ☒ glucuronic acid



Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 07:12 PM, 29 July 2021

Question # 3 of 10 ( Start time: 07:15:13 PM, 29 July 2021 )

Total Marks

Maltose comprises of two glucose molecules that are joined together by \_\_\_\_\_ glycosidic linkage.

Select the correct option

- |                                  |                            |
|----------------------------------|----------------------------|
| <input type="radio"/>            | $\alpha (1 \rightarrow 2)$ |
| <input checked="" type="radio"/> | $\alpha (1 \rightarrow 4)$ |
| <input type="radio"/>            | $\beta (1 \rightarrow 2)$  |
| <input type="radio"/>            | $\beta (1 \rightarrow 4)$  |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



The souring of milk that can be carried out by different microorganisms such as E. coli involves the conversion of lactose in lactic acid. This reaction is carried out by the enzyme \_\_\_\_\_.

Select the correct option

- |                                  |                       |
|----------------------------------|-----------------------|
| <input checked="" type="radio"/> | $\beta$ galactosidase |
| <input type="radio"/>            | $\beta$ glucosidase   |
| <input type="radio"/>            | $\alpha$ lactose      |
| <input type="radio"/>            | $\beta$ lactam        |

Click to Save Answer & Move to Next Question

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BIO202:Quiz

Quiz Start Time: 07:12 PM, 29 July

Question # 1 of 10 ( Start time: 07:12:57 PM, 29 July 2021 )

Total M

The human ABO blood groups best illustrate the biomedical importance of carbohydrates. The blood groups, A and B differ from on the basis of antigen. Compared to O antigen, an extra monosaccharide is present in both A and B. For antigen A the extra monosaccharide molecule is:

Select the correct option

- ☐ N-acetyl muramic acid
- ☐ glucose
- ☐ ribose
- ☒ N-acetyl galactosamine

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BIO202-Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 2 of 10 ( Start time: 06:59:46 PM, 29 July 2021 )

Total Marks

The human ABO blood groups best illustrate the biomedical importance of carbohydrates. The blood groups, A and B differ from C on the basis of antigen. Compared to O antigen, an extra monosaccharide is present in both A and B. For antigen A the extra monosaccharide molecule is:

Select the correct option

- ☐ N-acetyl muramic acid
- ☐ glucose
- ☐ ribose
- ☒ N-acetyl galactosamine



Click to See Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

TIME LEFT: 06:59 PM, 29 July

Question # 1 of 10 ( Start time: 06:59:33 PM, 29 July 2021 )

Total Marks

Monosaccharides can be subdivided further depending upon\_\_\_\_\_

Select the correct option

- |                                  |  |
|----------------------------------|--|
| <input type="radio"/>            | aldehyde groups                                      |
| <input checked="" type="radio"/> | Number of carbon atoms and aldehyde or ketone groups |
| <input type="radio"/>            | Number of carbon atoms                               |
| <input type="radio"/>            | None of given  |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Osazones are obtained by adding a mixture of phenyl hydrazine hydrochloride and sodium acetate to a sugar solution and heating water bath for 45 mins. Which two carbon atoms in the sugar molecule are involved in osazone formation?

Select the correct option

- ☒ C1 and C2
- ☐ C1 and C4
- ☐ C1 and C6
- ☐ C3 and C5

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BI0202: Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 3 of 10 (Start time: 07:01:20 PM, 29 July 2021)

Total Mark:

Glucose and galactose are epimers which differ in the configuration around carbon no. \_\_\_\_\_.

Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | 2 |
| <input type="radio"/>            | 1 |
| <input type="radio"/>            | 6 |
| <input checked="" type="radio"/> | 4 |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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BIO202/Quiz

Time Left: 1:00 sec(s)  
Quiz Start Time: 06:59 PM, 29 July 2021

Question # 6 of 10 (Start time: 07:03:20 PM, 29 July 2021)

Total Marks:

The terminal methyl & \_\_\_\_\_ carbon of glucose, galactose, or mannose-forms the corresponding aldaric acid.

Select the correct option

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Carbonyl |
| <input type="radio"/>            | Ketone   |
| <input type="radio"/>            | Aldehyde |
| <input type="radio"/>            | Carboxyl |

Click to See Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202 Quiz

Quiz Start Time: 06:59 PM,

Question # 7 of 10 ( Start time: 07:04:05 PM, 29 July 2021 )

Proteins present in cell membrane may function as \_\_\_\_\_ or transporters.

Select the correct option

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | hormones         |
| <input type="radio"/>            | immunoglobulins  |
| <input checked="" type="radio"/> | receptors        |
| <input type="radio"/>            | storage proteins |

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

Attempted by Muhammad Kashif



BIO202 Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question: 8 of 10 ( Start time: 07:04:54 PM, 29 July 2021 )

Total Marks:

In the synthesis and metabolism of carbohydrates, the intermediates are very often not the sugars themselves but their \_\_\_\_\_ derivatives.

Select the correct option

- ☐ oxidized
- ☐ carboxylated
- ☐ methylated
- ☒ phosphorylated

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

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BIO202-Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 5 of 10 ( Start time: 07:02:47 PM, 29 July 2021 )

Total Mar

With reference to carbohydrate structure, which type of isomers have nearly identical chemical properties but differ in their interaction with plane-polarized light?

Select the correct option

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | epimers                 |
| <input checked="" type="radio"/> | enantiomers             |
| <input type="radio"/>            | aldose-ketose isomerism |
| <input type="radio"/>            | anomers                 |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BIO202:Quiz

Quiz Start Time: 06:50 PM, 29 July 2021

Question # 10 of 10 ( Start Time: 07:06:41 PM, 29 July 2021 )

Total Marks:

In Benedict's test, The \_\_\_\_\_ are produced, which form red precipitate.

Select the correct option

- ☐ cupric ions
- ☐ Ferrous ions
- ☒ cuprous ion
- ☐ Ferric ions

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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Q202 Quiz

Quiz Start Time: 06:55 PM, 29 July 2021

Question # 9 of 10 ( Start time: 07:05:48 PM, 29 July 2021 )

Total Marks: 1

Glucono delta-lactone (GDL) is a type of lactone, commonly found in honey, fruit juices, personal lubricants, and wine. It hydrolyses in water to form \_\_\_\_\_ which has a \_\_\_\_\_ pH

Select the correct option

- ☐ glycerinaldehyde, neutral
- ☐ glucose, neutral
- ☒ gluconic acid, acidic
- ☐ glucuronic acid, acidic

Click to Give Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Time Left: 00:00 sec(s)  
Quiz Start Time: 06:59 PM, 29 July 2021

Question # 8 of 10 ( Start time: 07:04:54 PM, 29 July 2021 )

Total Marks:

In the synthesis and metabolism of carbohydrates, the intermediates are very often not the sugars themselves but their \_\_\_\_\_ derivatives.

Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | oxidized       |
| <input type="radio"/>            | carboxylated   |
| <input type="radio"/>            | methyated      |
| <input checked="" type="radio"/> | phosphorylated |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



0202:Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 9 of 10 ( Start time: 07:05:48 PM, 29 July 2021 )

Total Marks: 1

Glucono delta-lactone (GDL) is a type of lactone, commonly found in honey, fruit juices, personal lubricants, and wine. It hydrolyses in water to form \_\_\_\_\_ which has a \_\_\_\_\_ pH

Select the correct option

<input type="radio"/>	glyceraldehyde, neutral
<input type="radio"/>	glucose, neutral
<input checked="" type="radio"/>	gluconic acid, acidic
<input type="radio"/>	glucuronic acid, acidic

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

Attempted by Muhammad Kashif



BIO202:Quiz

sec(s)

Quiz Start Time: 06:59 PM, 29 July 202

Question # 10 of 10 ( Start time: 07:06:41 PM, 29 July 2021 )

Total Marks:

In Benedict's test, The \_\_\_\_\_ are produced, which form red precipitate.

Select the correct option

- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | cupric ions  |
| <input type="radio"/>            | Ferrous ions |
| <input checked="" type="radio"/> | cuprous ion  |
| <input type="radio"/>            | Ferric ions  |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Proteins present in cell membrane may function as \_\_\_\_\_ or transporters.

Select the correct option

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | hormones         |
| <input type="radio"/>            | immunoglobulins  |
| <input checked="" type="radio"/> | receptors        |
| <input type="radio"/>            | storage proteins |

Click to Save Answer & Move to Next Que

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NU-190202040: KANA MUHAMMAD NADEEM LIAQAT

Time Left 00 sec(s)

BIO202:Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 6 of 10 ( Start time: 07:03:28 PM, 29 July 2021 )

Total Marks:

The terminal methyl & \_\_\_\_\_ carbon of glucose, galactose, or mannose-forms the corresponding aldaric acid.

Select the correct option

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Carbonyl |
| <input type="radio"/>            | Ketone   |
| <input type="radio"/>            | Aldehyde |
| <input type="radio"/>            | Carboxyl |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BIO202:Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 5 of 10 ( Start time: 07:02:47 PM, 29 July 2021 )

Total Marks

With reference to carbohydrate structure, which type of isomers have nearly identical chemical properties but differ in their interaction with plane-polarized light?

Select the correct option

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | epimers                 |
| <input checked="" type="radio"/> | enantiomers             |
| <input type="radio"/>            | aldose-ketose isomerism |
| <input type="radio"/>            | anomers                 |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Osazones are obtained by adding a mixture of phenyl hydrazine hydrochloride and sodium acetate to a sugar solution and heating water bath for 45 mins. Which two carbon atoms in the sugar molecule are involved in osazone formation?

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input checked="" type="radio"/> | C1 and C2 |
| <input type="radio"/>            | C1 and C4 |
| <input type="radio"/>            | C1 and C6 |
| <input type="radio"/>            | C3 and C5 |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 06:59 PM, 29 July 2021

Question # 2 of 10 ( Start time: 06:59:46 PM, 29 July 2021 )

Total Marks

The human ABO blood groups best illustrate the biomedical importance of carbohydrates. The blood groups, A and B differ from C on the basis of antigen. Compared to O antigen, an extra monosaccharide is present in both A and B. For antigen A the extra monosaccharide molecule is:

Select the correct option

- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | N-acetyl muramic acid  |
| <input type="radio"/>            | glucose                |
| <input type="radio"/>            | ribose                 |
| <input checked="" type="radio"/> | N-acetyl galactosamine |

 Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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BI0202: Quiz

Quiz Start Time: 06:26 PM, 29 Jul

Question # 8 of 10 ( Start time: 06:34:45 PM, 29 July 2021 )

Total M

Maltosazone is the osazone formed from maltose. The characteristic feature of this osazone is its shape which resembles a \_\_\_\_\_.

Select the correct option

- ☐ powder-puff
- ☐ sunflower
- ☐ pin-cushion
- ☒ needle

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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Question 4 of 10 (Start time: 09:29:01 PM, 29 July 2021)

All of the following are true for amino acids EXCEPT:

Select the correct option

- ☒ The genetic code specifies and codes for both standard and non-standard amino acids.
- ☐ In the formation of a protein, amino acids are joined together by a linkage known as peptide bond.
- ☐ The side chains of amino acids influence their solubility in water.
- ☐ The carbon atom present between the amino group and carboxyl group in the amino acid is known as  $\alpha$  carbon.

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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BIO202:Quiz

Quiz Start Time: 06:26 PM, 29 July 2021

Question # 1 of 19 ( Start time: 06:26:46 PM, 29 July 2021 )

Total Mar

Among six membered cyclic carbohydrates, the \_\_\_\_\_ is much more stable than the aldofuranose ring.

Select the correct option

- ☐ ketopyranose ring
- ☒ aldopyranose ring
- ☐ ketofuranose ring
- ☐ aldopentose ring

Click to See Answer & Move to Next Question

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BIO202-Quiz

Quiz Start Time: 06:26 PM, 29 July 20

Question # 3 of 16 ( Start Time: 06:28:09 PM, 29 July 2021 )

Total Mark:

Sugars are classified on the basis of number of carbon atoms present  
An example of a tetrose is:

Select the correct option

- ☐ ribose
- ☐ glucose
- ☐ glyceraldehyde
- ☒ erythrose

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Isomeric forms of monosaccharides that differ only in their configuration about the hemiacetal or hemiketal carbon atom are called \_\_\_\_\_.

Select the correct option

- ☐ stereoisomers
- ☐ epimers
- ☒ anomers
- ☐ enantiomers

Click to Save Answer & Move to Next Quest

Attempted by Muhammad Kashif







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BIO202: Quiz

Quiz Start Time: 06:26 PM, 29 July

Question # 6 of 10 | Start time: 06:31:56 PM, 29 July 2021 |

Total M

Glucose is excreted in urine in poorly controlled diabetes mellitus as result of hyperglycemia. This medical condition is known as:

Select the correct option

- ☒ glucosuria
- ☐ hyperinsulinism
- ☐ glyceraldehyde 3 dehydrogenase deficiency
- ☐ hypoglycemia



Click to Show Answer & Move to Next Question

Attempted by Muhammad Kashif





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MC250404923: SIDRA DIDI

Time Left 79 sec (N)

BI0302-Quiz

Quiz Start Time: 06:26 PM, 29 July 2021

Questions # 10 of 10 ( Start time: 06:37:16 PM, 29 July 2021 )

Total Marks: 1

Different sugars are utilized in various ways in the human body and hence occur in varying amounts in body fluids. Which fluid is rich in fructose?

Select the correct option

<input type="radio"/>	tissue fluid
<input type="radio"/>	cerebrospinal fluid
<input type="radio"/>	blood
<input checked="" type="radio"/>	seminal fluid

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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MC200404923: SIDRA BIBI

Time Left 79 sec(s)

BIO202:Quiz

Quiz Start Time: 06:26 PM, 29 July 2021

Question # 10 of 10 ( Start time: 06:37:16 PM, 29 July 2021 )

Total Marks: 1

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Select the correct option

<input type="radio"/>	tissue fluid
<input type="radio"/>	cerebrospinal fluid
<input type="radio"/>	blood
<input checked="" type="radio"/>	seminal fluid

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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BIO202:Quiz

Quiz Start Time: 06:26 PM, 29 Jul

Question # 8 of 10 ( Start time: 06:34:45 PM, 29 July 2021 )

Total M

Maltosazone is the osazone formed from maltose. The characteristi  
feature of this osazone is its shape which resembles a \_\_\_\_\_.

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | powder-puff |
| <input type="radio"/>            | sunflower   |
| <input type="radio"/>            | pin-cushion |
| <input checked="" type="radio"/> | needle      |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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BIO202:Quiz

Quiz Start Time: 06:26 PM, 29 Ju

Question # 7 of 10 ( Start time: 06:33:22 PM, 29 July 2021 )

Total M

Proteins present in cell membrane may function as \_\_\_\_\_ or transporters.

Select the correct option

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | storage proteins |
| <input type="radio"/>            | immunoglobulins  |
| <input checked="" type="radio"/> | receptors        |
| <input type="radio"/>            | hormones         |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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BIO202:Quiz

Quiz Start Time: 06:26 PM, 29 July

Question # 6 of 10 ( Start time: 06:31:56 PM, 29 July 2021 )

Total M

Glucose is excreted in urine in poorly controlled diabetes mellitus as result of hyperglycemia. This medical condition is known as:

Select the correct option

- ☒ glucosuria
- ☐ hyperinsulinism
- ☐ glyceraldehyde 3 dehydrogenase deficiency
- ☐ hypoglycemia



Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





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BIO202:Quiz

Quiz Start Time: 06:26 PM, 29

Question # 2 of 10 ( Start time: 06:27:31 PM, 29 July 2021 )

Tot

Isomeric forms of monosaccharides that differ only in their configuration about the hemiacetal or hemiketal carbon atom are called \_\_\_\_\_.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | stereoisomers |
| <input type="radio"/>            | epimers       |
| <input checked="" type="radio"/> | anomers       |
| <input type="radio"/>            | enantiomers   |

Click to Save Answer & Move to Next Quest

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BIO202:Quiz

Time Left: sec(s)  
Quiz Start Time: 06:26 PM, 29 July 2021

Question # 1 of 10 ( Start time: 06:26:46 PM, 29 July 2021 )

Total Mar

Among six membered cyclic carbohydrates, the \_\_\_\_\_ is much more stable than the aldofuranose ring.

Select the correct option

- |                                  |                   |
|----------------------------------|-------------------|
| <input type="radio"/>            | ketopyranose ring |
| <input checked="" type="radio"/> | aldopyranose ring |
| <input type="radio"/>            | ketofuranose ring |
| <input type="radio"/>            | aldopentose ring  |

Click to Save Answer & Move to Next Question

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BIO202:Quiz

Quiz Start Time: 05:53 PM, 29 July 2021

Question # 4 of 10 ( Start time: 05:58:33 PM, 29 July 2021 )

Total Marks: 1

The hydrolysis of starch by the enzyme 'amylase' produces maltose. In the human body, maltose is further hydrolyzed by the enzyme maltase (present in intestinal brush border) to produce \_\_\_\_\_.

Select the correct option

<input type="radio"/>	maltotrisoe
<input type="radio"/>	mannose
<input checked="" type="radio"/>	glucose
<input type="radio"/>	galactose

Click to Save Answer & Move to Next Question

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BIO202:Quiz

Quiz Start Time: 05:53 PM, 29 July

Question # 3 of 10 ( Start time: 05:57:14 PM, 29 July 2021 )

Total Mar

With reference to carbohydrate structure, which type of isomers have nearly identical chemical properties but differ in their interaction with plane-polarized light?

Select the correct option

- ☐ aldose-ketose isomerism
- ☐ anomers
- ☒ enantiomers
- ☐ epimers



Click to See Answer & Move to Next Question

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BIO202: Quiz

Quiz Start Time: 05:53 PM, 2

Question # 2 of 10 ( Start time: 05:55:54 PM, 29 July 2021 )

Te

The hydrolysis of sucrose to glucose and fructose is catalyzed by sucrase, which is also present in the intestinal brush border like lactase and maltase. Sucrase is also known as \_\_\_\_\_.

Select the correct option

- ☐ glycogen dehydrogenase
- ☐ furanose
- ☒ invertase
- ☐ amylase

Click to Save Answer & Move to Next Question

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BIO202: Quiz

Quiz Start Time: 05:55 PM, 29 July 2021

Question # 5 of 10 ( Start time: 06:00:32 PM, 29 July 2021 )

Total Mark

Osazones are obtained by adding a mixture of phenyl hydrazine hydrochloride and sodium acetate to a sugar solution and heating in water bath for 45 mins. Which two carbon atoms in the sugar molecule are involved in osazone formation?

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input checked="" type="radio"/> | C1 and C2 |
| <input type="radio"/>            | C1 and C6 |
| <input type="radio"/>            | C3 and C5 |
| <input type="radio"/>            | C1 and C4 |

Click to See Answer & Move to Next Question

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BIO202:Quiz

Quiz Start Time: 06:53 PM, 29 July 20

Question # 8 of 10 ( Start time: 06:03:12 PM, 29 July 2021 )

Total Marks:

Both glycogen and cellulose are made up of glucose subunits. However, while glycogen is \_\_\_\_\_, cellulose exists in the form of \_\_\_\_\_.

Select the correct option

- ☐ polysaccharide, disaccharide
- ☒ branched, linear chains
- ☐ linear chains, branched
- ☐ disaccharide, polysaccharide

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



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BIO202: Quiz

Quiz Start Time: 05:53 PM, 29 July

Question # 6 of 10 ( Start time: 06:01:13 PM, 29 July 2021 )

Total Ma

Among six membered cyclic carbohydrates, the \_\_\_\_\_ is much more stable than the aldofuranose ring.

Select the correct option

- ☐ aldopentose ring
- ☒ aldopyranose ring
- ☐ ketopyranose ring
- ☐ ketofuranose ring

Click to Save Answer & Move to Next Question

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Question # 7 of 10 ( Start time: 06:02:16 PM, 29 July 2021 )

Total

The souring of milk that can be carried out by different microorganisms such as E. coli involves the conversion of lactose in lactic acid. This reaction is carried out by the enzyme \_\_\_\_\_.

Select the correct option

- ☐  $\beta$  lactam
- ☐  $\beta$  glucosidase
- ☐  $\alpha$  lactose
- ☒  $\beta$  galactosidase

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





Amino sugars are formed when the hydroxyl group in the sugar is replaced with an amino group. An amino sugar that is a constituent of chondroitin is \_\_\_\_\_.

Select the correct option

- ☒ D-mannosamine
- ☐ Sialic acid
- ☐ D-galactosamine
- ☐ D-glucoasamine



Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif







Question # 7 of 10 ( Start time: 06:02:16 PM, 29 July 2021 )

Total M

The souring of milk that can be carried out by different microorganisms such as E. coli involves the conversion of lactose in lactic acid. This reaction is carried out by the enzyme \_\_\_\_\_.

Select the correct option

<input type="radio"/>	$\beta$ lactam
<input type="radio"/>	$\beta$ glucosidase
<input type="radio"/>	$\alpha$ lactose
<input checked="" type="radio"/>	$\beta$ galactosidase

Click to Save Answer & Move to Next Question

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BIO202:Quiz

Quiz Start Time: 05:53 PM, 29 July

Question # 3 of 10 ( Start time: 05:57:14 PM, 29 July 2021 )

Total Mar

With reference to carbohydrate structure, which type of isomers have nearly identical chemical properties but differ in their interaction with plane-polarized light?

Select the correct option

- ☐ aldose-ketose isomerism
- ☐ anomers
- ☒ enantiomers
- ☐ epimers

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif





BIO202 Quiz

Quiz Start Time: 05:18 PM, 29 July 21

Question # 0 of 10 ( Start time: 05:26:56 PM, 29 July 2021 )

Total Mark

When fructose and glucose are linked through glycosidic linkage, they form a disaccharide known as \_\_\_\_\_.

Select the correct option:

- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | lactose    |
| <input checked="" type="radio"/> | sucrose    |
| <input type="radio"/>            | maltose    |
| <input type="radio"/>            | cellobiose |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Question # 1 of 10 ( Start time: 05:18:35 PM, 29 July 2021 )

Carbohydrates are detected in the laboratory based upon certain properties. Benedict's test is routinely used to check for the pres of \_\_\_\_\_.

Select the correct option

- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | polysaccharides |
| <input type="radio"/>            | aldopentoses    |
| <input type="radio"/>            | ketohexoses     |
| <input checked="" type="radio"/> | reducing sugars |

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

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 05:18 PM, 29 July

Question # 6 of 10 | Start time: 05:23:25 PM, 29 July 2021 |

Total M

Crystalline derivatives of monosaccharides, formed from pheny hydrazine are known as \_\_\_\_\_.

Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input checked="" type="radio"/> | Osazone |
| <input type="radio"/>            | Cake    |
| <input type="radio"/>            | Glucose |
| <input type="radio"/>            | Sugar   |

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 05:18 PM, 29 J

Question 9 of 10 ( Start time: 05:27:46 PM, 29 July 2021 )

Total

\_\_\_\_\_ is a levorotatory sugar and also known as levulose.

Select the correct option

☐ mannose

☒ fructose

☐ galactose

☐ glucose



Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202:Quiz

Quiz Start Time: 05:18 PM, 29 July 2021

Question # 6 of 10 ( Start time: 09:22:25 PM, 29 July 2021 )

Total Mark

If the carbonyl group is at an end of the carbon chain (that is, in an \_\_\_\_\_) the monosaccharide is an aldose.

Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | Ketone group   |
| <input checked="" type="radio"/> | Aldehyde group |
| <input type="radio"/>            | Carbonyl group |
| <input type="radio"/>            | Carboxyl group |

Click to See Answer & Move to Next Question

Attempted by Muhammad Kashif



BIO202 Quiz

Quiz Start Time: 05:18 PM, 29 July 2021

Question # 10 of 10 ( Start time: 05:29:31 PM, 29 July 2021 )

Total Marks:

Maltose comprises of two glucose molecules that are joined together by \_\_\_\_\_ glycosidic linkage.

Select the correct option

- |                                  |                              |
|----------------------------------|------------------------------|
| <input type="radio"/>            | $\beta$ (1 $\rightarrow$ 4)  |
| <input type="radio"/>            | $\beta$ (1 $\rightarrow$ 2)  |
| <input type="radio"/>            | $\alpha$ (1 $\rightarrow$ 2) |
| <input checked="" type="radio"/> | $\alpha$ (1 $\rightarrow$ 4) |

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

Attempted by Muhammad Kashif





BIO202:Quiz

Quiz Start Time: 03:58 PM, 29 July

Question # 5 of 10 ( Start time: 04:03:13 PM, 29 July 2021 )

Total Ma

When the oxygen from the -OH group in a monosaccharide is remove the resulting compound formed is known as \_\_\_\_\_.

Select the correct option

- ☐ amino sugar
- ☐ carboxyl sugar
- ☒ deoxy sugar
- ☐ phospho sugar



Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



Question # 8 of 10 ( Start time: 04:06:41 PM, 29 July 2021 )

The substitution of a hydrogen for the hydroxyl group at C-6 of L mannose produces \_\_\_\_\_.

Select the correct option

- ☒ L-rhamnose
- ☐ D-mannose
- ☐ L-mannosamine
- ☐ L-glucose

Click to Save Answer & Move to Next

Attempted by Muhammad Kashif



BIO202: Quiz

Quiz Start Time: 03:58 PM, 29 Jul

Question # 6 of 10 ( Start time: 04:04:28 PM, 29 July 2021 )

Total M

The designation of a sugar isomer as the D form or as the L form is determined by its spatial relationship to the parent compound of the carbohydrates, which is \_\_\_\_\_.

Select the correct option

- ☒ glyceraldehyde
- ☐ glucose
- ☐ glycogen
- ☐ glycerol

Click to Save Answer & Move to Next Question

Attempted by Muhammad Kashif



In the synthesis and metabolism of carbohydrates, the intermediates are very often not the sugars themselves but their \_\_\_\_\_ derivatives.

Select the correct option

- ☐ carboxylated
- ☒ phosphorylated
- ☐ methylated
- ☐ oxidized

Click to Show Answer & Move to Next Question

Attempted by Muhammad Kashif



Question # 3 of 10 ( Start time: 04:00:55 PM, 29 July 2021 )

Immunoglobulins are \_\_\_\_\_ in nature.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Lipids        |
| <input type="radio"/>            | None of these |
| <input checked="" type="radio"/> | Proteins      |
| <input type="radio"/>            | Carbohydrates |

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

Attempted by Muhammad Kashif



BIO202:Quiz

sec(s)

Quiz Start Time: 03:58 PM, 29 July 2021

Question # 9 of 10 ( Start time: 04:08:03 PM, 29 July 2021 )

Total Marks: 1

Many antibiotics, like erythromycin, contain sugar derivatives such as \_\_\_\_\_ that are important for their antibiotic activity. .

Select the correct option

- |                                  |                       |
|----------------------------------|-----------------------|
| <input type="radio"/>            | carboxylated sugars   |
| <input type="radio"/>            | oxidized sugars       |
| <input type="radio"/>            | phosphorylated sugars |
| <input checked="" type="radio"/> | amino sugars          |

Click to Save Answer &amp; Move to Next Question

Attempted by Muhammad Kashif



Question # 8 of 10 ( Start time: 04:06:41 PM, 29 July 2021 )

The substitution of a hydrogen for the hydroxyl group at C-6 of L mannose produces \_\_\_\_\_.

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | L-rhamnose    |
| <input type="radio"/>            | D-mannose     |
| <input type="radio"/>            | L-mannosamine |
| <input type="radio"/>            | L-glucose     |

 Click to Save Answer & Move to Next

Attempted by Muhammad Kashif