

Shaheen study
group

Bio202

Quiz No.1

30/7/21

03460004097

Admin.

Muhammad

Iqbal Arain

cell.

03460004097

Shaheen study
Group.

Admin.

Chiesf of group

Muhammad Iqbal

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Araim Rizvi

W.M

Mehvish Ramzan.

Filza mryam.

Ahsan khan.

Hafiza Ammarah.

Sara btool.



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

- Ketone group
- Aldehyde group
- Carbonyl group
- Carboxyl group

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Click to See Answer & Move to Next Question



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-glucoasmine

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▶ Click to Save Answer & Move to Next Question



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

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Click to Save Answer & Move to Next Question



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

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Click to See Answer & Move to Next Question



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

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Click to Save Answer & Move to Next Question



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

- maltotrisoe
- mannose
- glucose
- galactose

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Click to Save Answer & Move to Next Question



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 into lactic acid. This reaction is carried out by the enzyme _____.

Select the correct option

- β lactam
- β glucosidase
- α lactose
- β galactosidase

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Click to Save Answer & Move to Next Question





Monosaccharides can be subdivided further depending upon _____

Select the correct option

- Number of carbon atoms
- None of given
- Number of carbon atoms and aldehyde or ketone groups
- aldehyde groups

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Click to Save Answer & Move to Next Question



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

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Click to Save Answer & Move to Next Question



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

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

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Click to Save Answer & Move to Next Question



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

Select the correct option

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

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Click to Save Answer & Move to Next Question



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

- polysaccharides
- aldopentoses
- ketohexoses
- reducing sugars

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Click to Save Answer & Move to Next



Question # 2 of 10 (Start time: 05:19:32 PM, 29 July 2021)

Total

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

Select the correct option

- sunflower
- needle
- powder-puff
- pin-cushion

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Click to Save Answer & Move to Next Question



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

Select the correct option

- Ferrous ions
- cupric ions
- Ferric ions
- cuprous ion

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Click to Save Answer & Move to Next Question



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

- glucose, neutral
- gluconic acid, acidic
- glyceraldehyde, neutral
- glucuronic acid, acidic

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Click to Save Answer & Move to Next Question



_____ is a levorotatory sugar and also known as levulose.

Select the correct option

- mannose
- fructose
- galactose
- glucose

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Click to Save Answer & Move to Next Question



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

Select the correct option

- lactose
- sucrose
- maltose
- cellobiose

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Click to Save Answer & Move to Next Question



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

Select the correct option

β (1 \rightarrow 4)

β (1 \rightarrow 2)

α (1 \rightarrow 2)

α (1 \rightarrow 4)

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

Immunoglobulins are _____ in nature.

Select the correct option

- Lipids
- Proteins
- Carbohydrates
- None of these

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Click to Save Answer & Move to Next Question



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



disaccharide, polysaccharide



linear chains, branched



branched, linear chains



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Click to Save Answer & Move to Next Question





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

 maltotrisoe glucose mannose galactose

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Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 77 sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 1 of 10 (Start time: 03:40:50 PM, 30 July 2021)

Total Marks: 1

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 epimers enantiomers

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Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 75 sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 2 of 10 (Start time: 03:42:01 PM, 30 July 2021)

Total Marks: 1

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 _____.

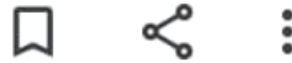
Select the correct option

 Sialic acid D-glucoasmine D-mannosamine D-galactosamine

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Click to Save Answer & Move to Next Question





The oxidation of monosaccharides results in the production of either aldonic acids or uronic acids depending on the carbon atom oxidized. Both aldonic and uronic acids form stable intramolecular esters that are known as _____.

Select the correct option

- aldoses
- furfurals
- carboxylates
- lactones

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



BC200204542: NISHA KANWAL

Time Left 80
sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 4 of 10 (Start time: 03:44:31 PM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- | | |
|----------------------------------|----------------|
| <input checked="" type="radio"/> | erythrose |
| <input type="radio"/> | glucose |
| <input type="radio"/> | glyceraldehyde |
| <input type="radio"/> | ribose |

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Click to Save Answer & Move to Next Question



Crystalline derivatives of monosaccharides, formed from phenyl hydrazine are known as _____.

Select the correct option

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

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



BC200204542: NISHA KANWAL

Time Left 74 sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 3 of 10 (Start time: 03:43:05 PM, 30 July 2021)

Total Marks: 1

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

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Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 67 sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 8 of 10 (Start time: 03:48:15 PM, 30 July 2021)

Total Marks: 1

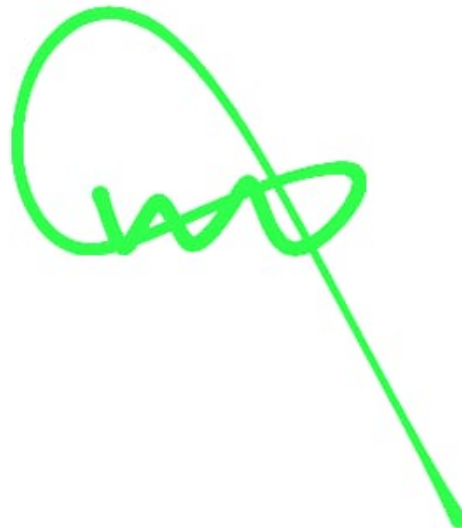
Glucono delta-lactone (GDL) is a type of lactone, commonly found in honey, fruit juices, personal lubricants, and wine. It hydrolyses in water to form _____ which has a _____ pH

Select the correct option

 glyceraldehyde, neutral gluconic acid, acidic glucose, neutral glucuronic acid, acidic

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Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 80 sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 7 of 10 (Start time: 03:47:17 PM, 30 July 2021)

Total Marks: 1

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

Select the correct option

 β glucosidase β galactosidase β lactam α lactose

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Click to Save Answer & Move to Next Question





BC200204542: NISHA KANWAL

Time Left 82
sec(s)

BIO202-Quiz

Quiz Start Time: 03:40 PM, 30 July 2021

Question # 6 of 10 (Start time: 03:46:29 PM, 30 July 2021)

Total Marks: 1

Upon reaction with strong acids pentoses produce _____ while hexoses produce _____.

Select the correct option

 furfural, hydroxy methyl furfural hydroxy methyl furfural, furfural aldehydes, ketone deoxy sugars, amino sugars

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Click to Save Answer & Move to Next Question



Application of centrifugation are:

- Used in diagnostic laboratories for blood and urine test.
- Used in dairies and home to separate butter from cream.
- Used in a washing machines to squeeze out water from wet clothes.

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1. Carbohydrates are polyhydroxy_____, or substances that yield such compounds on hydrolysis.

Select the correct option

- Aldehydes or ketones
- ketones
- All of given
- Aldehydes

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

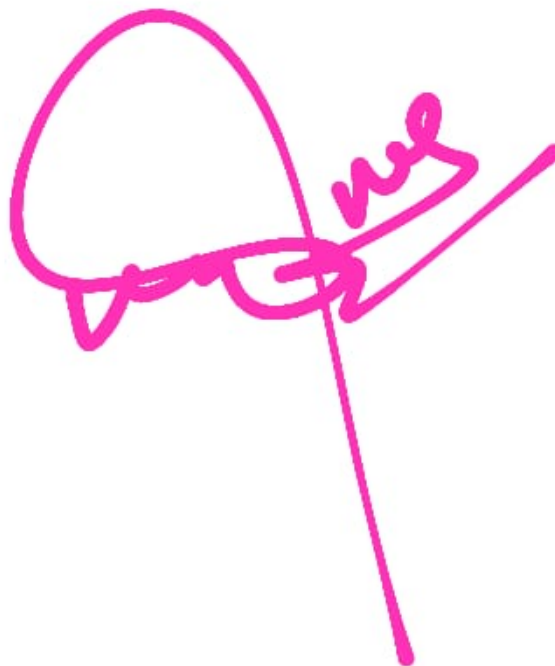
_____ is semi-quantitative test to detect presence of glucose in a solution.

Select the correct option

- Molisch's test
- Ninhydrin test
- None of given
- Benedict's test

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Click to Save Answer & Move to Next Question



Because PRP therapy involves injecting your own blood into your scalp, you aren't at risk for getting a communicable disease. Still, any therapy that involves injections always carries a risk of side effects such as: **injury to blood vessels or nerves.**
infection.

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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.
- The carbon atom present between the amino group and carboxyl group in the amino acid is known as a carbon.
- The side chains of amino acids influence their solubility in water.
- In the formation of a protein, amino acids are joined together by a linkage known as peptide bond.

Click to Save Answer & Move to Next Question

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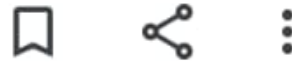
The formation of furfural products and their condensation with organic phenols to give characteristic coloured compounds forms the basis of biochemical tests used for the detection of carbohydrates. An example of such a test is

Select the correct option

- Ninhydrin test
- Benedict's test
- Grease spot test
- Molisch's test

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



BC19Q200718: ZILE HUMA

Time Left 78 sec(s)

BIO202-Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 7 of 10 (Start time: 12:42:17 PM, 30 July 2021)

Total Marks: 1

_____ is semi-quantitative test to detect presence of glucose in a solution.

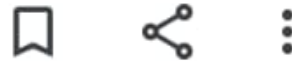
Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Benedict's test |
| <input checked="" type="radio"/> | Molisch's test |
| <input type="radio"/> | None of given |
| <input type="radio"/> | Ninhydrin test |

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Click to Save Answer & Move to Next Question





BC190200718: ZILE HUMA

Time Left 82 sec(s)

BIO202-Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 4 of 10 (Start time: 12:38:41 PM, 30 July 2021)

Total Marks: 1

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

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

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Click to Save Answer & Move to Next Question





BC190200718: ZILE HUMA

Time Left 81
sec(s)

BIO202-Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 6 of 10 (Start time: 12:41:10 PM, 30 July 2021)

Total Marks: 1

The human ABO blood groups best illustrate the biomedical importance of carbohydrates. The blood groups, A and B differ from O 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

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

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Click to Save Answer & Move to Next Question



Monosaccharides can be subdivided further depending upon _____

Select the correct option

- Number of carbon atoms
- Number of carbon atoms and aldehyde or ketone groups
- None of given
- aldehyde groups

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Click to Save Answer & Move to Next Question

BC190200718: ZILE HUMA

Time Left 71 sec(s)

BIO202:Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 5 of 10 (Start time: 12:39:54 PM, 30 July 2021)

Total Marks: 1

All of the following statements about glucose are correct EXCEPT:

Select the correct option

- It is the chief physiological sugar present in normal blood at a fairly constant level
- It is the precursor for all other carbohydrates in the body
- It mostly exists in L form
- It is present in fruit juices

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Click to Save Answer & Move to Next Question

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

Select the correct option

- glyceraldehyde 3 dehydrogenase deficiency
- hypoglycemia
- glucosuria
- hyperinsulinism

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Click to Save Answer & Move to Next Question



BC19Q200718: ZILE HUMA

Time Left 76 sec(s)

BIO202-Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 3 of 10 (Start time: 12:37:15 PM, 30 July 2021)

Total Marks: 1

The oxidation of carbonyl carbon in monosaccharides yield products known as:

Select the correct option

 furfurals aldoses uronic acids aldonic acids

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Click to Save Answer & Move to Next Question





BC190200718: ZILE HUMA

Time Left 71 sec(s)

BIO202-Quiz

Quiz Start Time: 12:34 PM, 30 July 2021

Question # 5 of 10 (Start time: 12:39:54 PM, 30 July 2021)

Total Marks: 1

All of the following statements about glucose are correct EXCEPT:

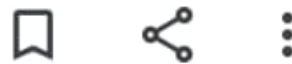
Select the correct option

- It is the chief physiological sugar present in normal blood at a fairly constant level
- It is the precursor for all other carbohydrates in the body
- It mostly exists in L form
- It is present in fruit juices

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Click to Save Answer & Move to Next Question





Upon reaction with strong acids pentoses produce _____ while hexoses produce _____.

Select the correct option

deoxy sugars, amino sugars



furfural, hydroxy methyl furfural



hydroxy methyl furfural, furfural



aldehydes, ketone



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Click to Save Answer & Move to Next Question





BC200203418: MEHWISH RAMZAN

Time Left 77 sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 5 of 10 (Start time: 12:25:40 PM, 30 July 2021)

Total Marks: 1

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

- Aldehyde group
- Carboxyl group
- Carbonyl group
- Ketone group

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



BC200203418: MEHWISH RAMZAN

Time Left 89 sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 7 of 10 (Start time: 12:28:08 PM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- erythrose
- glyceraldehyde
- ribose
- glucose

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



BC200203418: MEHWISH RAMZAN

Time Left 88
sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 8 of 10 (Start time: 12:28:42 PM, 30 July 2021)

Total Marks: 1

_____ is semi-quantitative test to detect presence of glucose in a solution.

Select the correct option

- Benedict's test
- Molisch's test
- None of given
- Ninhydrin test

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



BC200203418: MEHWISH RAMZAN

Time Left 89 sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 3 of 10 (Start time: 12:23:19 PM, 30 July 2021)

Total Marks: 1

Upon reaction with strong acids pentoses produce _____ while hexoses produce _____.

Select the correct option

- hydroxy methyl furfural, furfural
- deoxy sugars, amino sugars
- furfural, hydroxy methyl furfural
- aldehydes, ketone

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



BC200203418: MEHWISH RAMZAN

Time Left 84
sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 4 of 10 (Start time: 12:24:43 PM, 30 July 2021)

Total Marks: 1

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

- Aldehyde group
- Carbonyl group
- Carboxyl group
- Ketone group

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



BC200203418: MEHWISH RAMZAN

Time Left 83 sec(s)

BIO202-Quiz

Quiz Start Time: 12:20 PM, 30 July 2021

Question # 6 of 10 (Start time: 12:26:28 PM, 30 July 2021)

Total Marks: 1

The oxidation of carbonyl carbon in monosaccharides yield products known as:

Select the correct option

- aldonic acids
- aldoses
- furfurals
- uronic acids

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



BC200205771: SARA BATOOL

Time Left 88 sec(s)

BIO202-Quiz

Quiz Start Time: 12:05 PM, 30 July 2021

Question # 4 of 10 (Start time: 12:07:33 PM, 30 July 2021)

Total Marks: 1

_____ is semi-quantitative test to detect presence of glucose in a solution.

Select the correct option

- Benedict's test
- Ninhydrin test
- Molisch's test
- None of given

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



BC200205771: SARA BATOOL

Time Left 87 sec(s)

BIO202-Quiz

Quiz Start Time: 12:05 PM, 30 July 2021

Question # 5 of 10 (Start time: 12:08:04 PM, 30 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

- glucose
- mannose
- maltotrisoe
- galactose

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



BC200205771: SARA BATOOL

Time Left 86 sec(s)

BIO202-Quiz

Quiz Start Time: 12:05 PM, 30 July 2021

Question # 6 of 10 (Start time: 12:08:40 PM, 30 July 2021)

Total Marks: 1

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

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Click to Save Answer & Move to Next Question

Q 923066001100 online
quiz.vu.edu.pk

BC200205771: SARA BATOOL

Time Left 88 sec(s)

BIO202-Quiz

Quiz Start Time: 12:05 PM, 30 July 2021

Question # 1 of 10 (Start time: 12:05:27 PM, 30 July 2021)

Total Marks: 1

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

- Carboxyl group
- Carbonyl group
- Ketone group
- Aldehyde group

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

Immunoglobulins are _____ in nature.

Select the correct option

- Proteins
- None of these
- Carbohydrates
- Lipids

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Click to Save Answer & Move to Next Question

Q 923168563463 online
quiz.vu.edu.pk

BC200205771: SARA BATOOL

Time Left 81 sec(s)

BIO202-Quiz

Quiz Start Time: 12:05 PM, 30 July 2021

Question # 3 of 10 (Start time: 12:06:54 PM, 30 July 2021)

Total Marks: 1

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

Select the correct option

 glucosuria glyceraldehyde 3 dehydrogenase deficiency hyperinsulinism hypoglycemia

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

Question # 5 of 10 (Start time: 11:29:58 AM, 30 July 2021)

Total Marks: 1

_____ is commonly found in fruit juices, personal lubricants, and wine, and is used to create tangy taste in food.

Select the correct option

- | | |
|-----------------------|-----------------------|
| <input type="radio"/> | Glucono delta-lactone |
| <input type="radio"/> | Glucose |
| <input type="radio"/> | Honey |
| <input type="radio"/> | Salt |

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

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Question # 9 of 10 (Start time: 11:35:38 AM, 30 July 2021)

Total Marks: 1

The condition in which the body fails to metabolize galactose is known as:

Select the correct option

- | | |
|-----------------------|-------------------|
| <input type="radio"/> | hypoglycemia |
| <input type="radio"/> | glucosuria |
| <input type="radio"/> | diabetes mellitus |
| <input type="radio"/> | galactosemia |

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

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Question # 10 of 10 (Start time: 11:37:08 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

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

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

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BC200204537: SADIA KHALID

Time Left 88 sec(s)

BIO202:Quiz

Quiz Start Time: 11:23 AM, 30 July 2021

Question # 2 of 10 (Start time: 11:24:59 AM, 30 July 2021)

Total Marks: 1

1. Carbohydrates are polyhydroxy_____, or substances that yield such compounds on hydrolysis.

Select the correct option

- | | |
|-----------------------|----------------------|
| <input type="radio"/> | Aldehydes |
| <input type="radio"/> | Aldehydes or ketones |
| <input type="radio"/> | ketones |
| <input type="radio"/> | All of given |

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Click to Save Answer & Move to Next Question



BC200204537: SADIA KHALID

Time Left 60 sec(s)

BIO202:Quiz

Quiz Start Time: 11:23 AM, 30 July 2021

Question # 3 of 10 (Start time: 11:26:06 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | glucosuria |
| <input type="radio"/> | hypoglycemia |
| <input type="radio"/> | glyceraldehyde 3 dehydrogenase deficiency |
| <input type="radio"/> | hyperinsulinism |

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Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 11:28:21 AM, 30 July 2021)

Total Marks: 1

The oxidation of monosaccharides results in the production of either aldonic acids or uronic acids depending on the carbon atom oxidized. Both aldonic and uronic acids form stable intramolecular esters that are known as _____.

Select the correct option

- | | |
|-----------------------|--------------|
| <input type="radio"/> | carboxylates |
| <input type="radio"/> | aldoses |
| <input type="radio"/> | furfurals |
| <input type="radio"/> | lactones |

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

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

Select the correct option

- hyperinsulinism
- hypoglycemia
- glyceraldehyde 3 dehydrogenase deficiency
- glucosuria

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Click to Save Answer & Move to Next Question



BC190201818: ANUM SHEHZADI

Time Left 90 sec(s)

BIO202:Quiz

Quiz Start Time: 10:49 AM, 30 July 2021

Question # 7 of 10 (Start time: 10:57:10 AM, 30 July 2021)

Total Marks: 1

When the oxygen from the -OH group in a monosaccharide is removed, the resulting compound formed is known as

_____.

Select the correct option

- phospho sugar
- deoxy sugar
- carboxyl sugar
- amino sugar

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Click to Save Answer & Move to Next Question



BC200204537: SADIA KHALID

Time Left 89 sec(s)

BIO202:Quiz

Quiz Start Time: 11:23 AM, 30 July 2021

Question # 1 of 10 (Start time: 11:23:37 AM, 30 July 2021)

Total Marks: 1

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

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Click to Save Answer & Move to Next Question



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

Select the correct option

- enantiomers
- epimers
- stereoisomers
- anomers

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Click to Save Answer & Move to Next Question



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

- tissue fluid
- blood
- seminal fluid
- cerebrospinal fluid

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Click to Save Answer & Move to Next Question



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

Select the correct option

- amino sugars
- carboxylated sugars
- oxidized sugars
- phosphorylated sugars

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 88 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 9 of 10 (Start time: 10:42:06 AM, 30 July 2021)

Total Marks: 1

The formation of furfural products and their condensation with organic phenols to give characteristic coloured compounds forms the basis of biochemical tests used for the detection of carbohydrates. An example of such a test is _____.

Select the correct option

- Molisch's test
- Benedict's test
- Grease spot test
- Ninhydrin test

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Click to Save Answer & Move to Next Question



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

Select the correct option

- L-glucose
- L-mannosamine
- D-mannose
- L-rhamnose

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Click to Save Answer & Move to Next Question



The oxidation of carbonyl carbon in monosaccharides yield products known as:

Select the correct option

- uronic acids
- aldoses
- furfurals
- aldonic acids

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 85 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 6 of 10 (Start time: 10:38:18 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- linear chains, branched
- polysaccharide, disaccharide
- branched, linear chains
- disaccharide, polysaccharide

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 83 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 7 of 10 (Start time: 10:39:18 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- α (1 \rightarrow 2)
- α (1 \rightarrow 4)
- β (1 \rightarrow 4)
- β (1 \rightarrow 2)

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 90 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 8 of 10 (Start time: 10:40:10 AM, 30 July 2021)

Total Marks: 1

_____ is a levorotatory sugar and also known as levulose.

Select the correct option

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

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 89 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 3 of 10 (Start time: 10:34:18 AM, 30 July 2021)

Total Marks: 1

The human ABO blood groups best illustrate the biomedical importance of carbohydrates. The blood groups, A and B differ from O 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

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

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 89 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 4 of 10 (Start time: 10:35:41 AM, 30 July 2021)

Total Marks: 1

The oxidation of monosaccharides results in the production of either aldonic acids or uronic acids depending on the carbon atom oxidized. Both aldonic and uronic acids form stable intramolecular esters that are known as _____.

Select the correct option

- lactones
- furfurals
- carboxylates
- aldoses

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 89 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 5 of 10 (Start time: 10:36:49 AM, 30 July 2021)

Total Marks: 1

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

- | | |
|-----------------------|-----------------|
| <input type="radio"/> | D-glucoasmine |
| <input type="radio"/> | D-galactosamine |
| <input type="radio"/> | Sialic acid |
| <input type="radio"/> | D-mannosamine |

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 90 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 2 of 10 (Start time: 10:32:59 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- | | |
|-----------------------|-----------------------|
| <input type="radio"/> | α lactose |
| <input type="radio"/> | β galactosidase |
| <input type="radio"/> | β lactam |
| <input type="radio"/> | β glucosidase |

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Click to Save Answer & Move to Next Question



BC200204147: MUHAMMAD AHMAD

Time Left 90 sec(s)

BIO202:Quiz

Quiz Start Time: 10:31 AM, 30 July 2021

Question # 1 of 10 (Start time: 10:31:40 AM, 30 July 2021)

Total Marks: 1

The oxidation of carbonyl carbon in monosaccharides yield products known as:

Select the correct option

- | | |
|-----------------------|---------------|
| <input type="radio"/> | aldoses |
| <input type="radio"/> | aldonic acids |
| <input type="radio"/> | furfurals |
| <input type="radio"/> | uronic acids |

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Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 05:26:33 AM, 29 July 2021)

Total Marks: 1

All of the following are true for lactose EXCEPT:

Select the correct option

It is dextrorotatory.

It is found abundantly in grape juice.

It is made up of galactose and glucose.

It is a reducing sugar.

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

Question # 4 of 10 (Start time: 05:29:07 AM, 29 July 2021)

Total Marks: 1

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

Select the correct option

- heamoglobin
- keratin
- collagen
- luciferin

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 Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 05:27:49 AM, 29 July 2021)

Total Marks: 1

The oxidation of monosaccharides results in the production of either aldonic acids or uronic acids depending on the carbon atom oxidized. Both aldonic and uronic acids form stable intramolecular esters that are known as _____.

Select the correct option

- carboxylates
- lactones
- furfurals
- aldoses

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 Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 05:33:01 AM, 29 July 2021)

Total Marks: 1

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

Select the correct option

ketopyranose ring

ketofuranose ring

aldopentose ring

aldopyranose ring



Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 06:13:15 AM, 29 July 2021)

Total Marks: 1

carbohydrates forms the basis of biochemical tests used for the detection of carbohydrates. An example of such a test is _____.

Select the correct option

- Benedict's test
- Molisch's test
- Grease spot test
- Ninhydrin test



Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 05:34:18 AM, 29 July 2021)

Total Marks: 1

Simplest carbohydrate is _____

Select the correct option

- Glycerinaldehyde
- Glycerine
- Sucrose
- Glucose

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 Click to Save Answer & Move to Next Question

All of the following are true for amino acids EXCEPT:

Select the correct option

- The carbon atom present between the amino group and carboxyl group in the amino acid is known as α carbon.
- 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 genetic code specifies and codes for both standard and non-standard amino acids.

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

Question # 3 of 10 (Start time: 11:04:13 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

 enantiomers anomers stereoisomers epimers

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

Question # 2 of 10 (Start time: 11:02:44 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- 6
- 4
- 1
- 2

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

All of the following are true for lactose EXCEPT:

Select the correct option

It is made up of galactose and glucose.

It is a reducing sugar.

It is found abundantly in grape juice.

It is dextrorotatory.

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 11:08:42 AM, 30 July 2021)

Total Marks: 1

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

Select the correct option

- Carbonyl
- Aldehyde
- Carboxyl
- Ketone

03460004097

Click to Save Answer & Move to Next Question

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

- glycogen
- glyceraldehyde
- glycerol
- glucose

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Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 11:05:02 AM, 30 July 2021)

Total Marks: 1

The oxidation of carbonyl carbon in monosaccharides yield products known as:

Select the correct option

- aldoses
- furfurals
- uronic acids
- aldonic acids

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Click to Save Answer & Move to Next Question

Proteins present in cell membrane may function as _____ or transporters.

Select the correct option

receptors

immunoglobulins

storage proteins

hormones

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Click to Save Answer & Move to Next Question