

BIO202 QUIZ NO : 1

SOLVED BY ALL ABOUT BIOTECH

(REMEMBER ME IN YOUR PRAYERS)

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

Select the correct option

☒ Molisch's test

☐ Benedict's test

☐ Ninhydrin test

☐ None of given

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

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

Select the correct option

☐ Carboxyl

☐ Ketone

☐ Aldehyde

☒ Carbonyl

Click to Save Answer & Proceed to Next Question

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

Select the correct option

- ☒ galactosemia
- ☐ glucosuria
- ☐ diabetes mellitus
- ☐ hypoglycemia

Click to Save Answer & Move to Next Question

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 Mark Answer Correct or Incorrect

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

Select the correct option



reducing sugars



polysaccharides



ketohexoses



aldopentoses

Go back to Table of Contents & Previous Quiz Questions

Question # 2 of 10 (Start time: 03:50:53 PM, 21 December 2020)

Total Mark

Simplest carbohydrate is _____

Select the correct option

☐ Sucrose☐ Glyceraldehyde☒ Glucose☐ Glycerine[Click to view answers / Show all correct answers](#)

BIO202: Quiz 1

Question # 10 of 10 (Start time: 03:42:30 PM, 21 December 2020)

Monosaccharides can be subdivided further depending upon _____

Select the correct option



Number of carbon atoms



aldehyde groups



Number of carbon atoms and aldehyde or ketone groups



None of given



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BIO202: Quiz 1

Start Time: 03:42:30 PM, 21 December 2020

Question # 10 of 10 (Start time: 03:42:30 PM, 21 December 2020)

Total Marks: 1

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

Select the correct option



amino sugars



phosphorylated sugars



carboxylated sugars



oxidized sugars

Question # 3 of 10 (Start time: 03:51:11 PM, 21 December 2020)

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

☐ Carboxyl group☐ Ketone group☐ Carbonyl group☒ Aldehyde group[Click to View Answer & Move to Next Question](#)

Target Market:

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

○

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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 See Answer & Move to Next Question](#)

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

☐ Carboxyl group

☐ Ketone group

☐ Carbonyl group

☒ Aldehyde group

Saving...

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

Select the correct option

- ☒ reducing sugars
- ☐ polysaccharides
- ☐ ketohexoses
- ☐ aldopentoses

[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.

☒ glyceraldehyde

☐ glucose

☐ glycerol

☐ glycogen

[Click to View 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

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

Click on "Save Answer" & Move to Next Question

BIO202:Quiz 1

Question # 10 of 10 (Start time: 03:42:30 PM, 21 December 2020)

Monosaccharides can be subdivided further depending upon_____



Select the correct option



Number of carbon atoms



aldehyde groups



Number of carbon atoms and aldehyde or ketone groups



None of given



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

Select the correct option

☒ aldonic acids

☐ uronic acids

☐ aldoses

☐ furfurals

Go to Quiz Summary & View all Quiz Questions

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

Select the correct option:

☐ D-mannose

☐ L-glucose

☒ L-rhamnose

☐ L-mannosamine

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

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

Close all Open answers & View all Exam Questions

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

☒ seminal fluid

☐ blood

☐ tissue fluid

☐ cerebrospinal fluid

Click to Save Answer & View All Questions

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

Select the correct option

- ☐ Carboxyl
- ☐ Ketone
- ☐ Aldehyde
- ☒ Carbonyl



Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 04:10:22 PM, 20 December 2020) Total Marks: 1

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

Select the correct option.

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

[View Question History](#)

BIO202: Quiz 1

Quiz Start Time: 03:32 PM, 21 December 2020

Question # 1 of 10 (Start time: 03:32:01 PM, 21 December 2020)

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

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

BIO202: Quiz 1

Quiz Start Time: 03:32 PM, 21 December 2020

Question # 2 of 10 (Start time: 03:32:43 PM, 21 December 2020)

Total Marks: 1

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

<input checked="" type="radio"/>	glyceraldehyde	
<input type="radio"/>	glucose	
<input type="radio"/>	glycerol	
<input type="radio"/>	glycogen	

BIO202:Quiz 1

sec(s)

Quiz Start Time: 03:32 PM, 21 December 2020

Question # 3 of 10 (Start time: 03:33:31 PM, 21 December 2020)

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

BIO202:Quiz 1

sec(s)

Quiz Start Time: 03:32 PM, 21 December 2020

Question # 4 of 10 (Start time: 03:35:02 PM, 21 December 2020)

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

- | | | |
|----------------------------------|----------------|---|
| <input checked="" type="radio"/> | deoxy sugar | / |
| <input type="radio"/> | phospho sugar | / |
| <input type="radio"/> | amino sugar | / |
| <input type="radio"/> | carboxyl sugar | / |

BIO202:Quiz 1

sec(s)

Quiz Start Time: 03:32 PM, 21 December 2020

Question # 5 of 10 (Start time: 03:36:30 PM, 21 December 2020)

Total Marks: 1

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

Question # 6 of 10 (Start time: 03:37:44 PM, 21 December 2020)

Total Marks: 1

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

Select the correct option

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

Question # 7 of 10 (Start time: 03:39:02 PM, 21 December 2020)

Total Marks: 1

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

Select the correct option

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

Question # 8 of 10 (Start time: 03:39:48 PM, 21 December 2020)

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

- | | | |
|-----------------------|-------------------------|----------------------|
| <input type="radio"/> | enantiomers | |
| <input type="radio"/> | anomers | <i>not confirmed</i> |
| <input type="radio"/> | epimers | |
| <input type="radio"/> | aldose-ketose isomerism | |

Question # 10 of 10 (Start time: 03:42:30 PM, 21 December 2020)

Total Marks: 1

Monosaccharides can be subdivided further depending upon _____

Select the correct option

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