



Biomedical Engineering

Biochemistry
Course Code : BME 291
Level : 200
Allowed Time: 30 min
3/4/ 2019

Mid-term exam



Faculty Of Engineering

Student Name:

Student ID:

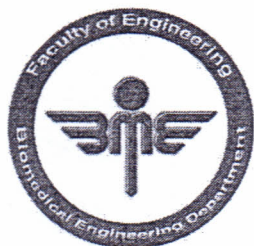
Answer all the following questions:

(total 15 marks)

Question (1): Complete all the following sentences:

(9 marks, 0,5 mark/each)

1. The sugar alcohol of glucose is while the sugar acid which is produced by oxidation of the aldehydic group of galactose is
2. is considered an example of ketose monosaccharide while is the polysaccharide which is used in infant feeding.
3. Amylopectin contains and glycosidic linkage.
4. The two amino acids with amide side chains are and
5. and are aromatic amino acids.
6. Aspartic acid contains charge at neutral pH while valine contains charge at neutral pH.
7. Isoleucine is classified as while cysteine is classified as regarding their nutritional value.
8. is an example of transport protein while is an example of protective protein.



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9. and are amino acids with aliphatic side chains containing hydroxyl group.

Question (2): Give the name for each of the following:

(6 marks, 1 mark/each)

Sentence	Answer
1- Amino acids which can be synthesized in the body.	
2- The storage form of carbohydrates in animal.	
3- Amino acids which can give ketone bodies products in the body.	
4- Amino acid which is produced from phenylalanine by hydroxylation.	
5- Polysaccharides produced by certain bacteria and used as plasma substitute.	
6- Example of non reducing disaccharides.	

**End of questions
Examination committee**

Dr. Yara Adel Samra