

PARUL UNIVERSITY
FACULTY OF PHARMACY
B. Pharm. Winter 2019 - 20 Examination

Semester: 2
Subject Code: BP203T
Subject Name: Biochemistry

Date: 26/11/2019
Time: 2:00 pm to 5:00 pm
Total Marks: 75

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)**(20)**

1. A carbohydrate found in DNA is
 - a) Ribose
 - b) Deoxyribose
 - c) Ribulose
 - d) All of these
2. Example of an extracellular enzyme is
 - a) Pancreatic lipase
 - b) Cytochrome oxidase
 - c) Hexokinase
 - d) Lactate dehydrogenase
3. Two sugars which differ from one another only in configuration around a single carbon atom are termed as
 - a) Stereoisomers
 - b) Anomers
 - c) Optical isomers
 - d) Epimers
4. The most abundant free nucleotide in mammalian cells is
 - a) ATP
 - b) FAD
 - c) NAD
 - d) GTP
5. All the following are true about phenylketonuria except
 - a) Deficiency of phenylalanine hydroxylase
 - b) Decrease serotonin formation
 - c) Increased urinary excretion of p-hydroxyphenyl pyruvic acid
 - d) Mental retardation
6. Oxidation of which substance in the body yields the most calories?
 - a) Glucose
 - b) Lipids
 - c) Protein
 - d) Vitamins
7. Coenzyme A contains a vitamin which is
 - a) Ascorbic acid
 - b) Pantothenic acid
 - c) Niacinamide
 - d) Thiamin
8. Proteins which are responsible for defence mechanism are called
 - a) Antibodies
 - b) Antimycins
 - c) Antimetabolites
 - d) Apoproteins
9. How many ATPs are generated from metabolism of one glucose molecule under aerobic condition?
 - a) 8
 - b) 38
 - c) 1
 - d) 132
10. Double helical structure model of the DNA was proposed by
 - a) King and Wooten
 - b) Pauling and Corey
 - c) Peter Mitchell
 - d) Watson and Crick
11. Fluoride contained in anticaries toothpaste acts by inhibiting _____ enzyme in glycolysis.
 - a) Enolase
 - b) Isomerase
 - c) Pyruvate Kinase
 - d) Phosphofructokinase
12. Essential fatty acid:
 - a) Linoleic acid
 - b) Linolenic acid
 - c) Arachidonic acid
 - d) All these
13. Side chains of all following amino acids contain aromatic rings except
 - a) Tyrosine
 - b) Tryptophan
 - c) Alanine
 - d) Phenyl alanine
14. The surface tension in intestinal lumen between fat droplets and aqueous medium is decreased by
 - a) Acetic acid
 - b) Bile Salts

