



Seat No.	
----------	--

Set	P
-----	---

B.Pharm. (Semester – I) (Old CBCS) Examination, 2018
BIOCHEMISTRY – I

Day and Date : Wednesday, 26-12-2018

Max. Marks : 70

Time : 10.30 a.m. to 1.30 p.m.

1. Multiple choice questions :

(15×1=15)

- 1) Iodine solution produces no colour with _____
 - a) Cellulose
 - b) Dextrin
 - c) Starch
 - d) Glycogen
- 2) The epimers of glucose _____
 - a) Fructose
 - b) Ribose
 - c) Galactose
 - d) Deoxyribose
- 3) The distinguishing test between monosaccharides and disaccharides is _____
 - a) Barfoed's test
 - b) Bial's test
 - c) Seliwanoff's test
 - d) Hydrolysis test
- 4) The non carbohydrate moiety found in glycoside is known as
 - a) Glycon
 - b) Cofactor
 - c) Aglycon
 - d) Coenzyme
- 5) Ribose and deoxyribose differ in structure around a single carbon, namely
 - a) C₂
 - b) C₃
 - c) C₁
 - d) C₄
- 6) During cell fractionation rough ER is disrupted to form small vesicles called _____
 - a) Cristae
 - b) Mitosol
 - c) Microsomes
 - d) Chromosomes

P.T.O.



2. Answer **any five** of the following questions :

(5×5=25)

- 1) Give structure and function of mitochondria and golgi apparatus.
- 2) Explain the significance of Osazone test and Fehling's test.
- 3) Define terms uniport, symport and antiport. Differentiate between active and passive transport.
- 4) Explain structure and biosynthesis of cholesterol.
- 5) Why sucrose is called as nonreducing sugar ? Explain with structure. Add note on inversion of sucrose.
- 6) Describe β -oxidation of fatty acid.

3. Answer **any three** of the following questions :

(3×10=30)

- 1) Define carbohydrates. Give detail classification.
 - 2) Explain the term biological oxidation. Explain in detail respiration chain.
 - 3) Explain in detail classification of phospholipids with structures.
 - 4) Explain in detail glycogenesis and glycogenolysis. Add note on its significance.
-