

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
SCHOOL OF PHARMACY
1st YEAR DIPLOMA PHARMACY
FIRST THEORY SESSIONAL EXAMINATION 2019-20

Subject Name: Biochemistry and clinical pathology

Subject Code: 08600104

Time: 10:00 am to 11:00 am

Date: 19/09/2019

Total Marks: 20

Instructions:

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

Q.1 Multiple Choice Question

(07)

- (1) _____ is known as power house of the cell.
(a) nucleus (b) mitochondria
(c) lysosomes (d) golgi apparatus
- (2) Glucose contain _____ no. of carbon .
(a) 6 (b) 5 (c) 4 (d) 3
- (3) Cellulose is _____ .
(a) heteropolysaccharide (b) oligosaccharide
(c) disaccharide (d) homopolysaccharide
- (4) Starch gives _____ colour with iodine.
(a) purple (b) pink
(c) brown (d) blue
- (5) Lecithin is example of _____ .
(a) simple lipid (b) phospholipid
(c) lipoprotein (d) derived lipid
- (6) _____ tests used for steroids .
(a) salkowski test (b) libermann-burchard test
(c) a & b both (d) none of above
- (7) _____ is unsaturated fatty acid.
(a) palmitic acid (b) stearic acid
(c) oleic acid (d) none of above

Q.2 Long Answer (any one)

(05)

- (1) Define and classify carbohydrates.
- (2) Define and classify lipids.

Q.3 Short Answers (any four)

(08)

- (1) Enlist different qualitative test used for carbohydrates and write about any one.
- (2) write biological importance of carbohydrates.
- (3) write biological importance of lipids.
- (4) define biochemistry and write its importance.
- (5) write about diseases related to carbohydrate metabolism.
- (6) explain the terms rancidity and iodine no.