

Seat No.: _____

Enrolment No. _____

PARUL UNIVERSITY
DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES
1st Internal Exam, March 2022

Year: 1st year D.Voc/DHA

Date: 08/03/2022

Subject code:19600102

Time: 10:30 am

Subject Name: Biochemistry

Total Marks: 30 marks

Instructions:

1. Attempt all questions from each section
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

Q.1. Answer the following Questions (Any Two) (Each 7.5 Marks) (15)

1. List down the functions of carbohydrates.
2. Write about the general reactions of carbohydrates.
3. What are carbohydrates? Give the classification of carbohydrates with examples.

Q.2. Answer the following Questions (Any Two) (Each 5 Marks) (10)

1. What are homopolysachharides and heteropolysachharides? Give some examples.
2. Define:
 - i. Mole fraction
 - ii. pH
 - iii. Epimers
3. 80g NaOH is used to prepare 1000mL solution. Calculate the molarity and normality of the solution.(Mol wt =40g/mol)
4. Derive Henderson Hasselbalch equation.

Q.3. Answer the following Questions (Any Five) (Each 1 Mark) (05)

1. Glucose + Fructose=
2. What is a pH meter?
3. Glucose + Glucose =
4. What is also known as milk sugar?
5. Define molarity.
6. Define normality.
7. What are pH indicators? Give examples.