



Janseva Sevabhavi Pratishthan Bhopni's  
**Kai. Rasika Mahavidyalaya, Deoni**

**Tq. Deoni Dist.Latur**

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)  
(Science, Commerce & Technology)

[www.kairasikamahavidyalaya.com](http://www.kairasikamahavidyalaya.com)

**NAAC Accredited 'B' Grade (UGC 2f &12B)**

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 399

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**Declaration**

This is to certify that the data, reports and copies of supporting documents submitted to the NAAC are true and verified by the IQAC.

Hence certified.

Date: 08 / 05 / 2024

Place: Deoni



  
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**Principal**  
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Seat No - BB 117995



स्वामी रामानंद तीर्थ मठस्य महाविद्यालय, देवणी.



# Kai. Rasika Mahavidyalaya, Deoni

Internal Assesment  
Academic Year 2020 - 2021  
Winter/Summer

	Max. Marks	Marks Obt.	Out of 10
Test			
Assesment	10	10	10
Total			

Name Kusnure Pavan sandesh

Class B.Sc. S.Y

Semester III

Subject Biochemistry

Name of the Paper \_\_\_\_\_

Name of the Teacher Dr. P.R. ~~more~~ Pedge sir.

Q.1.) Explain structure & function of carbohydrate?

→ The monosaccharides may be represented by two structures. They are:-

1) straight chain structure or open chain structure.

2) cyclic structure or ring structure.

1) straight chain structure or open chain structure:-

In straight chain structure the 6 carbon atoms of glucose are arranged in a straight line. It is also called open chain structure because the two ends remain separate & they are not linked fitting & Baeyer :- proposed a straight chain structure. It contains an aldehyde group (CHO) & 5 hydroxyl groups (OH). According to fitting & Baeyer the aldehyde group is at one end. CH<sub>2</sub> OH group at the other end & four (HOH) groups in between.

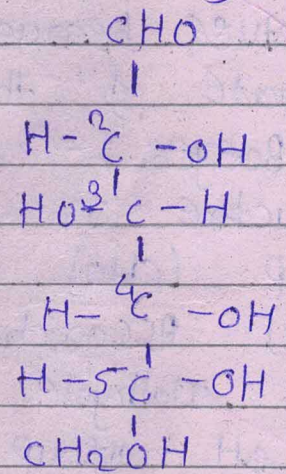
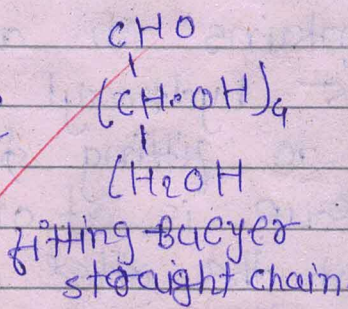
Fischer proposed another straight chain structure. The straight chain structure proposed by Fischer is called Fischer's projection formula. According to Fischer the aldehyde

group is placed the other.

The last carbon atom contains two hydrogen atoms & one -OH group (H<sub>2</sub>OH). The remaining carbon atoms contain H atom on one side & OH group on the other side.

The carbon atoms are numbered from the aldehyde. The carbon atom of the aldehyde group is the carbon atom numbered 1 & carbon atom containing H<sub>2</sub> OH is the carbon numbered 6 (in hexoses).

$C_6H_{12}O_6$   
molecular formula



Fischer's straight chain structure.

Fig:- structure of glucose.

Fischer's straight chain structure explains the existence of 4