Airs - to study the different properties of milestylines

Marenials Required:

Chemitalt

- S.) Sedium Hydneside (10N) 1) Dienilled Laken
 - 3> lenc Sulphunit acid ladine salumen
- 6) February Soln ARB
- 11) "Test lubes and pipetter. 12) Steneth, Gilliamse, Plicnose 9) Jedine Heagent t) Genedict's Heagent 10) Maren barb

Lantere,

Ineery .

- Carbetychiates are aildely distributed to plant and animals they have imperitant structural and merabetic notes. chemically earlieting ane aldehyde on Velone
 - destivatives of physhyduic alcoholic. Chaese is the most important earthchydriate, the most important earthchydriate, the most important (except stuminants) and a contrensal fuel of fetus.
 - It is the precurson for eyntherit of all the other
 - Different types of Combehydrates and
- 2) Disaccharudes two monosacchorides
- Pelysacchaeuden andensation precluck of tenentaria high saceharides - three to ten menerace hamiles.

Solubility Test

- Take a small amount of glucose, lactose, suchace and stanch in four test fuber A, B, Cand D. Now add small volume of distilled water to the four
 - -> We can see that glucese, lactose and suchose are soluble in water wheneve stanch is insuluble in test tubes and then shake the test tube well. ERFET.

Molisch's Test

- glucese lactese, suchese and suspension of startch -> Take a small quantity of aqueous solutions of
- A Now add a few chops of Molisch's Reagent in the four test tube A, pour conc. sulphumic add stouty along side the test tube in small amount.

 Stouty along side the test tube in small amount.
- -> The Molisch's Heagent forms a coloumed pheduct that appears as a pumple ming at the intenface between the acid and the test layer

CH20H 5 - Hydnexy methy! Funfund -3H20 Hason. C - 6H (анберуднате HO -HO-

Molisch Test

Tehling's Test

- -> Take a small quantity of equenus solutions of plucate, lactese, suchose and suspension stanch in the four test tubes A, B, C'& D.
- -> Using a drappen add a small quantity of feblings solution A into the test tubes A, B, Cond D.
 - New using a drapper, add a small quantity of Fehling's solution B'into the test tube A, B, C, D
 - Heat the test tube in a bailing water both Jen
- Glucare and Lactore for ned precipitate of Cyp and others don't. Hence, Glucose & Loichare any Heducing and others are non- Hedueing Stroethones.

Benedict's Test

Penneducin Reducing sugares like Glucese and Lactrice Jettan Take a small quantity of ag. selution of the four Fleat the test tubes in boiling water bath And Benedict? Rengent to each Test Tube and precipitate and others along as they are

Fehling

(cho4)4 + 34,0+ C40 (Redppt) GOO NOT Godium Salt & Gilucenic CHOOH Torrborate (CCHOH)4 + 8 (M COH)2 + NaOH FORS Gibcose CHOOH CHO

Benedicts

Acid

Tollen's Test

and no such eilven minney is preduced in suchose Gilucose and Lactore produce silven minnen -> "Take a small quantity of solution in each rest Add a small amount of Tollen's Reagent.
Heat the test tuber in boiling Water Buth. and starch.

Lodine Test

-> Add a small quantity of rodine in each test tube. I Take a small quantity of equeaus solution of the four carbohydrates in respective test tubes. complex and others don't form any complex.

DNCLUSION

We come to know about a lot of phopentics of Ach Heducing Sugaris.

Elemental Silver 2H20 + 2AB CHOCHO + al Ag (NH3)27-Tollen Tollen's C-04 HO-0