

# Anomerism

-Definition:

- $\alpha$  and  $\beta$  anomerism:

- Ring structures :

- Examples:

# Mutarotation

- Definition:
- specific optical rotation:
- D-glucopyranose and  $\beta$ -D-glucopyranose
- Examples

# DERIVATIVES OF MONOSACCHARIDES

- Uronic acids:
- Examples:
- Glucuronic acids
- L-iduronic acids
- Biological importance of derivatives
- Reactions

# Sugar alcohol

- Examples and significance
- Glycerol
- Sorbitol
- Manitol
- Dulcitol
- Ribitol
- Xylitol

# Sugar phosphates

- Examples and significance
- G-1-P and G-6-P
- F1-6-bisphosphate

# Amino sugars

- Example and significance of:
- N-acetyl glucosamine
- N-acetyl galactosamine

# Deoxy sugar

- Example and significance of:
- Deoxyribose
- L-fucose
- L- rhamnose etc

# Glycosidic bond or linkage

- Definition
- Glycosides
- Significance and therapeutic uses



- **DISACCHARIDES**