

Indian Association for the Cultivation of Science (Deemed to be University under de novo Category) Master's/Integrated Master's-PhD Program/Integrated Bachelor's-Master's Program/PhD Course

Mid-Semester Examination-Spring 2023

Subject: Biochemistry Genetics and Evolution Full Marks: 25

Subject Code(s): BIS 1201 Time Allotted: 2 h

How many epimers are possible for D Glucose. Write all the epimers of D Glucose.

2. Identify A-H.

ABO ROH H

CHOH)

CHOH)

CHOH)

CHOOL

CHOH)

CHOOL

CHOOL

ARNO

ARNO

CHOOL

ARNO

ARNO

CHOOL

ARNO

ARRO

ARNO

ARRO

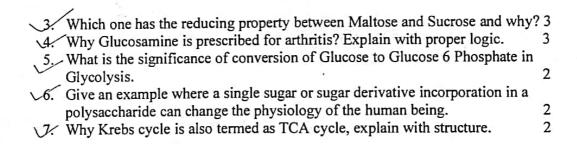
ARNO

ARRO

ARNO

ARRO

AR



8. Identify the three-carbon containing compound which is generated in Fructose metabolism not in Glucose metabolism.
2

9. Krebs Cycle occurs only in mitochondria is this statement right or wrong? Justify

10. Among alpha and beta anomer of D Glucose, which one is more stable and why?