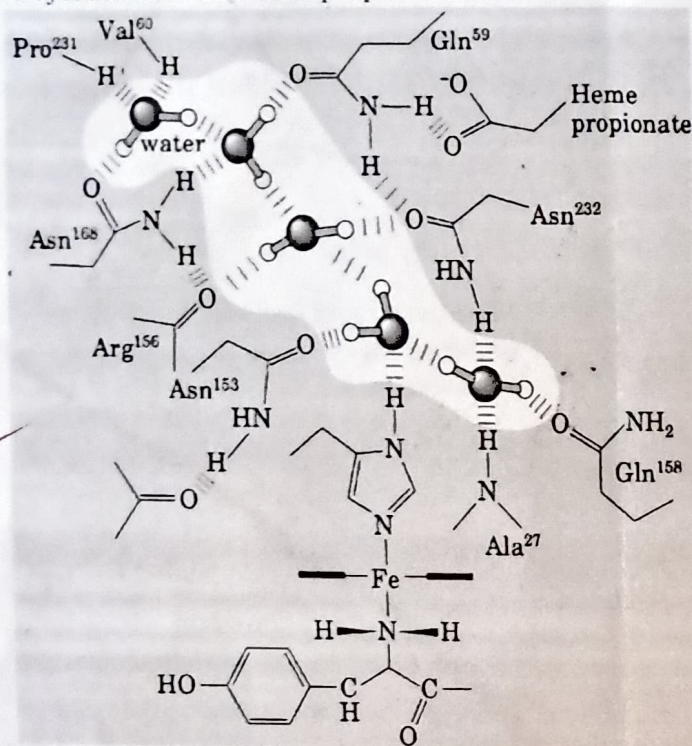


2.5

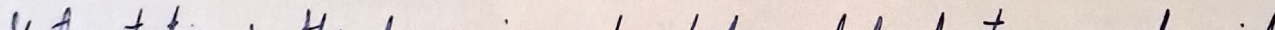
Question paper is for 15 points; as a rough guideline plan to spend 1 min per point for the length of the answer required. pace given in the paper is expected to be sufficient.

1. (3+2 = 5 points) What is Grotthuss mechanism? Indicate 'it' with arrows on the below schematic diagram of cytochrome f and state purpose achieved



Grotthuss mechanism is the path followed by a proton to undergo reaction with enzymes.

2. (4 points) What is mutarotation? Demonstrate with example.



3. (6 points) What is glycosidic bond? Draw at least 3 stable conformations, with clear indications of reasons of stability.

→ Glycosidic bond is the bond between two