

- Q.1 Which of the following statements(s) is (are) true ?
- (A) Oxidation of glucose with bromine water gives glutamic acid
  - (B) The two six-membered cyclic hemiacetal forms of D-(+)-glucose are called anomers
  - (C) Monosaccharides cannot be hydrolysed to give polyhydroxy aldehydes and ketones
  - (D) Hydrolysis of sucrose gives dextrorotatory glucose and laevorotatory fructose

**Sol.** B, C, D

Oxidation of glucose with Bromine water gives gluconic acid.

The two six-membered cyclic hemiacetals – alpha and beta forms of D-(+)-glucose are called anomers.

Monosaccharides cannot be hydrolysed.

Hydrolysis of sucrose gives dextrorotatory glucose and laevorotatory fructose.