

**Question 64. Assertion (A): Deoxyribose,  $C_5H_{10}O_4$  is not a carbohydrate.**

**Reason (R): Carbohydrates are hydrates of carbon so compounds which follow  $C_x(H_2O)_y$  formula are carbohydrates.**

**Solution:** (b) Deoxyribose is a carbohydrate and is the sugar moiety of DNA. Carbohydrates are optically active polyhydroxy aldehyde or polyhydroxy ketone or substances which give these on hydrolysis