

SUBJECT - CHEMISTRY

CLASS - B.Sc(Hons) PART-II

PAPER - IV

TOPIC - Haworth and Fischer projection formula

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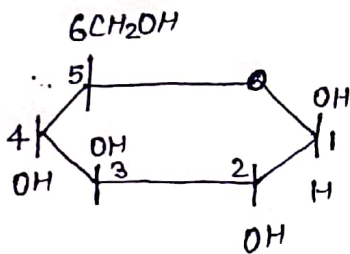
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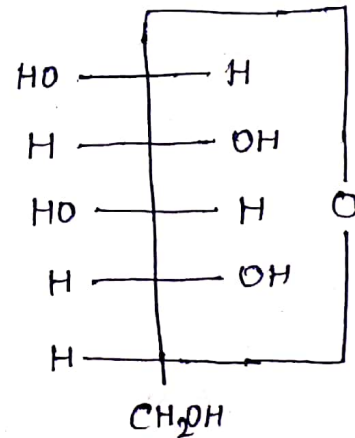
Q. Draw the Haworth and Fischer projection formula for  
 (i)  $\beta$ -D-glucopyranose (ii)  $\beta$ -D-fructofuranose (iii)  $\alpha$ -D-fructose  
 and (iv)  $\beta$ -D-fructose.

Ans. Haworth projection

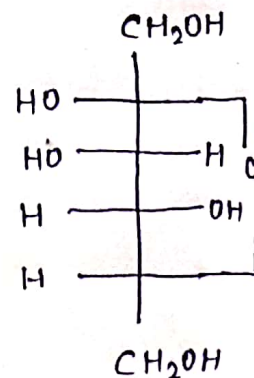
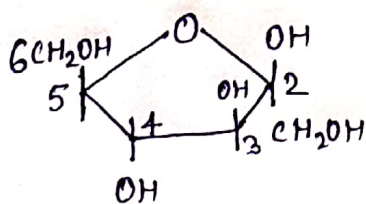
(i)  $\beta$ -D-glucopyranose:



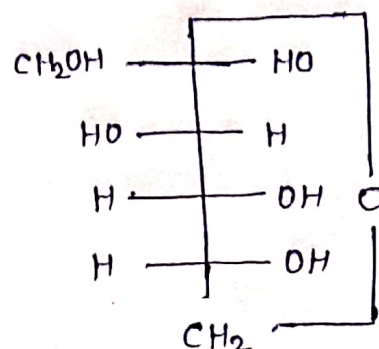
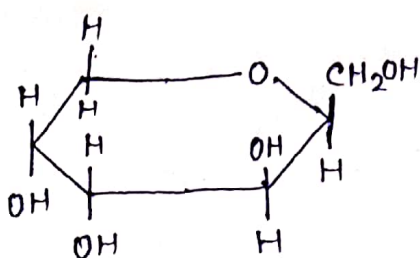
Fischer projection



(ii)  $\beta$ -D-fructofuranose:



(iii)  $\alpha$ -D(-) fructose



(IV)  $\beta$ -D(-) fructose:

