

In both DNA and RNA, heterocyclic base and phosphate ester linkages are at

- A. C5' and C2' respectively of the sugar molecule
- B. C2' and C5' respectively of the sugar molecule
- C. C1' and C5' respectively of the sugar molecule
- D. C5' and C1' respectively of the sugar molecule

Ans. C

Heterocyclic base linkage means the carbon which is connected to the oxygen atom in the sugar molecule. In ribose sugar, C1' and C4' are connected to oxygen atom and C5' is connected to phosphate. So according to our options C is the correct answer.