### **Related Questions with Solutions**

#### Questions

# **Quetion: 01**

Convert 6 radians into degree measure. A. 343°38′11″ B.348°33′11″ C.433°38′11″ D.343°37′12″

#### Solutions

# Solution: 01

We know that  $\pi$  radian = 180°. Hence, 6 radians =  $\frac{180}{\pi} \times 6$  degree =  $\frac{1080 \times 7}{22}$  degree  $= 343\frac{7}{11}$  degree  $= 343^{\circ} + \frac{7 \times 60}{11}$  minute [as  $1^{\circ} = 60'$ ]  $=343^{\circ} + 38' + \frac{2}{11} \times 60 \text{ seconds}$ = 343° + 38' + 10.9" = 343°38'11" approximately. [ as 1' = 60'' ]Hence, 6 radians  $= 343^{\circ}38'11''$  approximately.

**Correct Options** 

Answer:01 **Correct Options: A**