**Related Questions with Solutions**

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**Questions**

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**Quetion: 01**

The sum of the binomial coefficients of $\left[2x + \dfrac{1}{x}\right]^n$ is equal to 256. The constant term in the expansion is

A. 1120
B. 2110
C. 1210
D. None

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**Solutions**

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**Solution: 01**

Sum of binomial coeff. $= {}^nC_0 + {}^nC_1 + \ldots + {}^nC_n = 2^n$

$2^n = 256 \Rightarrow n = 8$

constant term $= {}^8C_4(2x)^4 \left(\dfrac{1}{x}\right)^4$

$= 70 \times 16 = 1120$

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**Correct Options**

**Answer:01**

**Correct Options: A**