$$EX = \int_{\infty}^{+\infty} \frac{1}{\sqrt{2\pi}} x \left[ e^{-\frac{x^2}{4\theta^2}} + e^{-\frac{(x-1)^2}{2\theta^2}} \right] dx$$

$$= \int_{-\omega}^{+\omega} \frac{1}{\sqrt{22}\pi} \chi e^{-\frac{\chi^2}{20^2}} d\chi + \int_{-\omega}^{+\omega} \frac{1}{\sqrt{22}\pi} \chi e^{-\frac{(\chi - 1)^2}{20^2}} d\chi$$

& A.

$$\frac{\left(\frac{X_{1}}{T}\right)^{2}+\left(\frac{X_{2}+X_{3}}{\sqrt{20}}\right)^{2}}{\left(\frac{X_{1}}{T}\right)^{2}}$$

~ t12)

$$\frac{\left(\frac{\chi_{1}}{T}\right)^{2}+\left(\frac{\chi_{1}\chi_{3}}{\sqrt{2\sigma}}\right)^{2}}{2}$$

$$= \frac{\sqrt{2(1 \times - 1)}}{\sqrt{2 \times 1^2 + (1 \times 2 + 1 \times 3)^2}} \sim + 12$$

P{{X|>c}=0.1, 其中 X1~10(-1,1)

 $2\frac{1-C}{2}=0.) \Rightarrow 1-C=0.) \Rightarrow C=0.9$ 

协选C.