## QUESTION

A discrete random variable can take the values 1,2 and 3 with probabilities
$\frac{1}{2}, \frac{1}{4}$ and $\frac{1}{4}$ respectively. Obtain the mean.
ANSWER
Mean $=\frac{1}{2}(1)+\frac{1}{4}(2)+\frac{1}{4}(3)=\frac{1}{2}+\frac{1}{2}+\frac{3}{4}=\frac{7}{4}$

