Formulas provided on your Final Exam :

Binomial distribution: $P(X = k) = \binom{n}{k} p^k (1-p)^{n-k}$, $E(X) = np$, $V(X) = np(1-p)$.

Geometric distribution: $P(X = k) = p(1-p)^{k-1}$, $E(X) = \dfrac{1}{p}$, $V(X) = \dfrac{1-p}{p^2}$.

Poisson distribution: $P(X = k) = e^{-\lambda} \dfrac{\lambda^k}{k!}$, $E(X) = \lambda$, $V(X) = \lambda$.

Uniform [a,b]: $f(x) = \dfrac{1}{b-a}$, $E(X) = \dfrac{a+b}{2}$, $V(X) = \dfrac{(b-a)^2}{12}$.

Standard Normal: $f(x) = \dfrac{1}{\sqrt{2\pi}} e^{-x^2/2}$, $E(X) = 0$, $V(X) = 1$.

Exponential: $f(x) = \lambda e^{-\lambda x}$ for $x > 0$, $E(X) = \dfrac{1}{\lambda}$, $V(X) = \dfrac{1}{\lambda^2}$.