(II)

(2) B

(3) A $\Rightarrow \mu = \Sigma x \cdot P(x) = (-3)(.52) + (4)(.15) + (10)(.35)$

$= (-1.56) + (.6) + (3.5)$

$= \boxed{2.34}$

(4) A or B $\Rightarrow = 1 - [.4437 + .3515 + .1382] = 1 - [.9734] = \boxed{.0266}$

or $= [.0244 + .0022 + .0001] = \boxed{.2267}$

(5) C

(6) A $\Rightarrow \mu = \lambda \cdot P = (7)(.30) = \boxed{2.1}$

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(7) $\boxed{.3110}$

(8) $P(X \geq 5) = 1 - [.0001 + .0011 + .0064 + .0268]$

$= 1 - [.0344]$

$= \boxed{.9656}$

or $= .0803 + .1721 + .2581 + .2581 + .1549 + .0422$

$= \boxed{.9657}$

(9) $P(X \leq 11) = 1 - [.0040 + .0008 + .0001]$

$= 1 - [.0049]$

$= \boxed{.9951}$

(10) $P(\text{at least one}) = P(X \geq 1)$

$= 1 - [.1001]$

$= \boxed{.8999}$

(11) $P(3 < X \leq 5) = .1104 + .1664 + .1941 + .1752 + .1327 + .0754$

$= \boxed{.8622}$

III

12. $P(X=8) = \boxed{.0970}$

13. $P(X<16) = 1-[.0062+.0013+.0002]$

$= 1-.0077$

$= \boxed{.5923}$

14. $P(X \geq 14) = .0497+.0203+.0062+.0013+.0002$

$= \boxed{.0777}$

15. $E(x) = \mu = n \cdot p$

$= (19)(.55)$

$= \boxed{.45}$

16. $\sigma = \sqrt{n \cdot p \cdot q}$ $\quad q = 1-p$

$= 1-.55$

$= \sqrt{(19)(.55)(.45)}$ $\quad = .45$

$= \sqrt{4.7025}$

$= \boxed{2.169}$