

Probability Ex 13.1

12. 0 (D)

20. $\frac{1}{6}$ (A)

13. $\frac{17}{16}$ (D)

outcomes $\overbrace{1, 2, 3, 4, 5, 6}^6$
 odd no. less than 3

$\therefore 0 \leq P \leq 1$

$\therefore P = \frac{1}{6}$

14. 0.001 (A)

21. 51 (D)

15. 1 - C (C)

\therefore only one card is ace of hearts

$\therefore P(E) + P(E') = 1$

$\therefore 52 - 1 = 51$

16. less than 0 (B)

22. 14 (B)

17. $0 \leq P(A) \leq 1$ (C)

$0.035 = \frac{x}{400}$

$\Rightarrow x = 0.035 \times 400$
 $= 3.5 \times 4$
 $= 14$

18. $\frac{6^3}{52 \cdot 26}$ (A)

19. $\frac{1}{7}$ (A)

no. of days = 365

no. of weeks = $52 \frac{1}{7}$

remain. 1 day may be $\overbrace{S, M, T, W, Th, F, Sat}^7$ $\therefore P(S) = \frac{1}{7}$