

Work sheet Class-8, chapter-set, (Tipu sir)

- If $P = \{x, y\}$, $Q = \{y, z\}$ then $P \cap Q = ?$
 - $\{x, y, z\}$
 - $\{x\}$
 - $\{y\}$
 - $\{\}$
- Universal set, $U = \{1, 4, 6, 7, 9\}$, $A = \{1, 6\}$, $B = \{4, 6, 7\}$ Which one is $(A^c \cap B)$?
 - $\{1\}$
 - $\{6\}$
 - $\{4, 7\}$
 - $\{4, 7, 9\}$
- What is the tabular form of $A = \{x : x \in \mathbb{N}, \text{ where } 1 < x \leq 4\}$?
 - $\{2, 3, 4\}$
 - $\{1, 2, 3\}$
 - $\{2, 3\}$
 - $\{1, 2, 3, 4\}$
- What is the number of sub-sets of the set $\{1, m, n, p, q\}$?
 - 5
 - 16
 - 10
 - 32
- $R = \{x : x \text{ odd number and } 1 \leq x \leq 6\}$ which one is correct for R?
 - $\{2, 4, 6\}$
 - $\{1, 3, 5\}$
 - $\{1, 3, 6\}$
 - $\{2, 3, 5\}$
- Who is the father of modern set theory?
 - John Venn**
 - Galileo
 - Pythagoras
 - George Cantor
- If A and B are two sets and $A \cap B = \emptyset$, then sets are –
 - Empty set
 - Universal set
 - Disjoint set
 - Complement of set
- If $U = \{a, b, c, d\}$ and $X = \{b, d\}$ $X' = ?$
 - $\{a, b, c, d\}$
 - $\{a, b, c, \}$
 - $\{a, c, \}$
 - $\{b, d\}$
- If $U = \{1, 2, 3, a\}$ and $A = \{1, 2, 3\}$ $A' = ?$
 - $\{1, 2, 3, a\}$
 - $\{1, 2, 3, \}$
 - $\{2, 3, \}$
 - $\{a\}$
- If $P = \{1, 2, 3\}$, $Q = \emptyset$ then $P \cup Q = ?$
 - $1, \emptyset$
 - $1, 2, 3$
 - $\{1, 2, 3, \}$
 - $\{1, 2, 3, a\}$