

Ex-10(B)

1) If set $A = \{2, 3, 4, 5, 6\}$, state which of the following are true and which are false.

i) $2 \in A$

A) True

ii) $5, 6 \in A$

A) True

iii) $3, 4, 7 \in A$

A) False

iv) $2, 8 \in A$

A) False

2) If set $B = \{4, 6, 8, 10, 12, 14\}$, state which of the following statements are correct and

which are wrong.

i) $5 \in B$

Ans wrong $\rightarrow 5 \notin B$

ii) $12 \in B$

Ans Correct

iii) $14 \in B$

Ans Correct

iv) $a \in B$

Ans wrong $\rightarrow a \notin B$

v) B is the set of even no.s between 2 and 10.

Ans Correct

vi) 4, 6 and 10 are the members of the set B.

Ans Correct

③ i) AS False

ii) AS True

iii) AS False

iv) AS True

v) AS True

vi) AS True

vii) AS True

4) Write the set containing:

i) the first counting numbers

As $\{1, 2, 3, 4, 5\}$

ii) The three types of angles

As $\{ \text{Acute angle, obtuse angle, right angle} \}$

iii) The three types of triangle

As $\{ \text{scalene triangle, Isosceles triangle, equilateral triangles} \}$

iv) The members of your family

AS { Gayatri, Ajit, Pooja, Matru }

v/AS { b, c, d, f, g, h }

vi/AS { a, e, i, o }

vii/AS { Indira Gandhi, Atal Bihari Vajpayee,
Dr. Manmohan Singh }

viii/AS { 3, 8, 15, 12, 7 }

ix/AS { ~~1~~ c, m, n, o, s }

x/AS { 2, 4, 8, 16, 64, 128 }

xi/AS { 3, 5, 15, 45, 75, 90 }

xii/AS { B, H, O, P, A, L }

xiii/AS { e, a }

xiv/AS { h, n, g, k }