SETS

EMPTY SETS

EXERCISE

Q.1 Find the odd one out.

(a) Null set (b) Void set

(c) Infinite set (d) Empty set

Q.2 Which of the following is representation of empty set?

(a) ( ) (b) [ ]

(c) { } (d) < >

Q.3 Which of the following is an empty set?

(a) Prime numbers up to 10

(b) Even numbers up to 10

(c) Prime numbers divisible by 2

(d) Prime numbers divisible by 3

Q.4 Find the number of points common to parallel lines.

(a) Three points (b) One point

(c) Two point (d) No point

Q.5 Is set {x : x is a natural number $x<5$ and $x>7$} a null set?

(a) True

(b) False

Q.6 Which of the following is a null set?

(a) {x : x is a natural number and $x^2=4$}

(b) {x : x is a rational number and $x^2=2$}

(c) {x : x is an even prime number}

(d) {x : x is name of the day of week}

Q.7 The number of elements in a null set is _____

(a) zero (b) one

(c) two (d) any

Q.8 Find the solution to set {x : x is a natural number and 2x+1=2}.

(a) {1} (b) {2}

(c) {1/2} (d) { }

Q.9 A set with no elements in it is called?

(a) Equivalent Set (b) Empty Set

(c) Equal Set (d) Infinite Set

Q.10 Which of the following is an empty set?

(a) The set of dogs with six legs

(b) The set of books in the library

(c) The set of boys in a school

(d) The set of a square with 4 sides

Q.11 If B is a null set and A is some set then which one of the following is false?

(a) $B \subseteq A$ (b) $B \cup A = A$

(c) $B \cap A = A$ (d) $B \cap A = B$

Q.12 The subset of a null set is the null set itself.

(a) True

(b) False

ANSWER KEY

1. (c)

2. (c)

3. (d)

4. (d)

5. (a)

6. (b)

7. (a)

8. (d)

9. (b)

10. (a)

11. (c)

12. (a)