

SETS**UNIVERSAL SET****EXERCISE**

- Q.1** A set which is superset of all basic sets of that type?
- (a) Power set (b) Universal set
(c) Empty set (d) Singleton set
- Q.2** Which of the following is universal set for integers?
- (a) Natural numbers (b) Whole numbers
(c) Rational numbers (d) Prime numbers
- Q.3** Let $A = \{1,2\}$, $B = \{2,4\}$, $C = \{4,5,6\}$. Which of the following may be considered as the universal set for set A, B, C?
- (a) $\{1,6,7,8,9\}$ (b) $\{1,2,3,4\}$
(c) $\{2,4,5,6\}$ (d) $\{1,2,3,4,5,6\}$
- Q.4** Which of the following is a universal set for the equilateral triangle?
- (a) Set of isosceles triangles
(b) Set of right triangles
(c) Set of acute triangles
(d) Set of obtuse triangles
- Q.5** Which of the following is considered as universal set for squares?
- (a) Set of Rhombus
(b) Set of Parallelogram
(c) Set of Rectangle
(d) Set of Trapezium

- Q.6 Which of the following is universal set for $\{a, p\}$?
- (a) Set of vowels
 - (b) Set of consonants
 - (c) Set of letters of English alphabet
 - (d) Set of numbers
- Q.7 Which of the following is considered as universal set for set of multiple of 4?
- (a) Set of multiple of 16
 - (b) Set of multiple of 12
 - (c) Set of multiple of 2
 - (d) Set of multiple of 8
- Q.8 $U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$. Which of the following is not a subset of the universal set?
- (a) $\{1,2\}$
 - (b) $\{0,1,2,3,4,5,6,7,8,9\}$
 - (c) $\{2,3,5,7\}$
 - (d) $\{1,2,3,4,5,6,7,8,9,10\}$
- Q.9 The set $\{a, b, e, i, o, u, v, z\}$ is a universal set for a set of vowels.
- (a) True
 - (b) False
- Q.10 The set of prime numbers is a universal set for odd numbers.
- (a) True
 - (b) False

ANSWER KEY

- 1. (b)
- 2. (c)
- 3. (d)
- 4. (a)

- 5. (c)
- 6. (c)
- 7. (c)
- 8. (d)
- 9. (a)
- 10. (b)