EduSahara™ Assignment

Name : Standard Trigonometric Values

Chapter : Trigonometry

Grade : SSC Grade X

1. $\sin 0° =$

   (i) 1 (ii) 2 (iii) (-1) (iv) 0 (v) (-3)

2. $\cos 60° =$

   (i) 1 (ii) $\frac{1}{2}$ (iii) $(-\frac{1}{2})$ (iv) $\frac{3}{2}$ (v) $\frac{1}{4}$

3. $\tan 45° =$

   (i) 2 (ii) 0 (iii) 4 (iv) 1 (v) (-2)

4. $\cot 30° =$

   (i) $\sqrt{5}$ (ii) $\sqrt{\frac{1}{3}}$ (iii) 3 (iv) $\sqrt[4]{3}$ (v) $\sqrt{3}$

5. $\sec 30° =$

   (i) 2 (ii) $\frac{2}{3}$ (iii) $2\sqrt{\frac{1}{3}}$ (iv) $2\sqrt[4]{\frac{1}{3}}$ (v) $2\sqrt{\frac{-1}{3}}$

6. $\operatorname{cosec} 60° =$

   (i) $\frac{2}{3}$ (ii) $2\sqrt{\frac{1}{3}}$ (iii) $2\sqrt[4]{\frac{1}{3}}$ (iv) 2 (v) $2\sqrt{\frac{-1}{3}}$

7. $\sin 90° =$

   (i) 3 (ii) (-2) (iii) 2 (iv) 1 (v) 0

8. $\cos 90° =$

   (i) (-2) (ii) 3 (iii) 1 (iv) 0 (v) (-1)

9. $\tan 60° =$

   (i) $\sqrt[4]{3}$ (ii) $\sqrt{5}$ (iii) 1 (iv) 3 (v) $\sqrt{3}$

10. $\cot 45° =$

    (i) 4 (ii) 2 (iii) 1 (iv) (-1) (v) 0

11. $\sec 60° =$

    (i) 1 (ii) 2 (iii) 4 (iv) 3 (v) (-1)

12. $\operatorname{cosec} 60° =$

    (i) $2\sqrt{\frac{-1}{3}}$ (ii) $2\sqrt{\frac{1}{3}}$ (iii) $\frac{2}{3}$ (iv) 2 (v) $2\sqrt[4]{\frac{1}{3}}$

Assignment Key

1) (iv)	2) (ii)	3) (iv)	4) (v)	5) (iii)	6) (ii)
7) (iv)	8) (iv)	9) (v)	10) (iii)	11) (ii)	12) (ii)