

SCHOLARS SSC ACADEMY

SSC & BANKING - TOPIC-WISE PRACTICE ASSIGNMENT

Trigonometry

Quantitative Aptitude / Mathematics | Set 1 | 10 MCQs | Practice Worksheet

Student Name: _____	Date: _____
Suggested Time: 15 minutes	Total Marks: 10

Instructions: Choose the most appropriate option. Attempt all questions. This is an original practice assignment, not a claimed previous-year paper.

1. $\sin 30^\circ = ?$

- A. $\frac{1}{2}$
- B. 1
- C. 0
- D. $\frac{\sqrt{3}}{2}$

2. $\cos 60^\circ = ?$

- A. $\frac{\sqrt{3}}{2}$
- B. 1
- C. $\frac{1}{2}$
- D. 0

3. $\tan 45^\circ = ?$

- A. 0
- B. $\frac{1}{\sqrt{3}}$
- C. 1
- D. $\sqrt{3}$

4. $\sin 90^\circ = ?$

- A. 0
- B. 1
- C. $\frac{1}{2}$
- D. $\frac{\sqrt{3}}{2}$

5. $\cos 0^\circ = ?$

- A. 1
- B. $\frac{1}{2}$
- C. 0
- D. $\frac{\sqrt{3}}{2}$

6. $\tan 30^\circ = ?$

- A. 1
- B. $\sqrt{3}$
- C. $\frac{1}{\sqrt{3}}$
- D. $\frac{1}{2}$

7. $\tan 60^\circ = ?$

- A. 1
- B. $\frac{1}{2}$
- C. $\sqrt{3}$
- D. $\frac{1}{\sqrt{3}}$

8. $\sin^2 A + \cos^2 A = ?$

- A. 1
- B. 0
- C. 2
- D. $\sin A$

9. $1 + \tan^2 A = ?$

- A. $\sin^2 A$
- B. $\cos^2 A$
- C. $\sec^2 A$
- D. $\operatorname{cosec}^2 A$

10. $1 + \cot^2 A = ?$

- A. $\tan^2 A$
- B. 1
- C. $\sec^2 A$
- D. $\operatorname{cosec}^2 A$

ANSWER KEY

Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	A	2	C	3	C	4	B	5	A
6	C	7	C	8	A	9	C	10	D

Use this assignment for topic-wise practice and classroom discussion. Review incorrect answers with your faculty before moving to the next topic.