

WORKSHEET-2

I) CHOOSE THE CORRECT ANSWER:

1) The value of $\sin 12^\circ - \cos 78^\circ$ is _____

- a) 12° b) 78° c) 0° d) 1°

2) The value of $\sec 41^\circ$

$$\frac{\quad}{\quad} = \text{Cosec } 49^\circ$$

- a) 0° b) 1° c) 49° d) 41°

3) If $\sec \Phi + \tan \Phi = P$ then value of $\sec \Phi - \tan \Phi =$

- a) 1 b) -P c) 0 d) $\frac{1}{P}$

4) If $\sin (\theta + 36^\circ) = \cos \theta$ then value of θ is _____

- a) 44° b) 0° c) 27° d) 54°

5) In a triangle ABC if $A+B=90^\circ$ then value of $\cos C$ is _____

- a) 45° b) 60° c) 0° d) 30°

6) Which of following has equal values?

- a) $\sin 30^\circ$ b) $\tan 45^\circ$ c) $\cos 60^\circ$ d) $\tan 90^\circ$

7) The value of $\cos 10^\circ \cdot \cos 20^\circ \cdot \cos 30^\circ \cdot \dots \cos 100^\circ =$ _____

- a) 1 b) 0 c) 100° d) 45°

8) The value of $\sec^2 (1 + \sin \theta) (1 - \sin \theta) =$

- a) 2 b) 1 c) 0 d) -1

9) If $\sin \theta = \cos \theta$ then the value of θ is _____

- a) 0° b) 45° c) 60° d) 30°

10) The value of $\cos 60^\circ \sin 30^\circ + \sin 60^\circ \cos 30^\circ$ _____

- a) $\frac{1}{4}$ b) $\frac{3}{4}$ c) 1 d) 0