

## Mathematics - FSC Part 1 Mathematics Short Questions Chapter 10 Preparation

Q1.

**Ans 1:**

Q2. Without using the tables, write down the value of  $\tan(-135^\circ)$ .

**Ans 1:**  $\tan(-135^\circ) = -\tan 135^\circ$   
 $= -\tan(180^\circ - 45^\circ)$   
By formula  
 $\tan(180^\circ - \theta) = -\tan\theta$   
It becomes  
 $= -[-\tan 45^\circ]$   
 $= -(-1) = +1$

Q3.

**Ans 1:**

Q4. Define Allied Angles.

**Ans 1:** The angles associated with basic angles of measure  $\theta$  to a right angle or its multiple are called Allied angles. So the angles of measure  $90 \pm \theta^\circ$ ,  $180 \pm \theta^\circ$ ,  $270 \pm \theta^\circ$ ,  $360 \pm \theta^\circ$ , are known as Allied Angles.

Q5.

**Ans 1:**

Q6.

**Ans 1:**

Q7.

**Ans 1:**

Q8.

**Ans 1:**

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Q9.

**Ans 1:**

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Q10. Without using tables, write-down the value of  $\sin 540^\circ$ .

**Ans 1:**  $\sin (360^\circ + 180^\circ) = \sin 180^\circ = 0$

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