

Mathematics - 11th Class Math Short Question Preparation

Q1.

Ans 1:

Q2.

Ans 1:

Q3.

Ans 1:

Q4.

Ans 1:

Q5.

Ans 1:

Q6. Define Allied Angles.

Ans 1: The angles associated with basic angles of measure Θ 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.

Q7.

Ans 1:

Q8. What is a radian ?

Ans 1: An angle subtended at the center of the circle by an arc of length equal to the radius of the circle is called radian.

Q9.

Ans 1:

Q10. Give the table for addition of elements of the set of residue classes modulo 4.

Ans 1: Clearly $\{0,1,2,3\}$ is the set of residues that we have to consider. We add pair of elements as in ordinary addition except that when the sum equals or exceeds 4, we divide it out by 4 and insert the remainder only in the table. Thus $3+2=5$ but in place of 5 we insert $1 = 5 - 4$ in the table and in place of $1 + 3 = 4$, we insert $0 = 4 - 4$.

Q11.

Ans 1:

Q12.

Ans 1:

Q13.

Ans 1:

Q14.

Ans 1:

Q15. What is Sequence ?

Ans 1: A sequence is a function whose domain is a subset of the set of natural numbers.

Q16.

Ans 1:

Q17.

Ans 1:

Q18.

Ans 1:

Q19.

Ans 1:

Q20.

Ans 1:
