SUBJECT – MATHEMATICS, CLASS-XI
CHAPTER-COMBINATION

Q.1. P(n ,r)=2520 and C(n ,r)=21. Find r

Q.2. Find n if C (2n,3): C(n,3)=11:1

Q.3. find the number of sides of a polygon having 44 diagonals.

Q.4.How many lines can be drawn through 21 points on a circle?

Q.5.In how many ways 12 different books can be distributed equally among 4 persons?

Q.6. How many ways a committee of four select out of 5 men and 4 women.

Q.7. How many ways a group of 11 boys can divided into two groups of 6 and 5 boys each.

Q.8. How many ways we can select 5 cards from a deck of 52 cards if there is exactly 1 ace card in each combination

Q,9, Find the number of diagonals of a polygon having 9 vertices?

Q.10. if m parallel lines in a plane intersect by a family of n parallel lines , find the number of parallelogram formed.