**ASSIGNMENT NO.-8(BINOMIAL THEOREM)**

**(MATHEMATICS)**

1. By using Binomial Theorem,expand:

2. Find the 6th term in the expansion of .

3. Find the 4th term from the end in the expansion of

4. Find the middle terms in the expansion of .

5. Find the coefficient of in the binomial expansion of

6. Find the term independent of in the expansion of

7. Find the value of so that the term independent of in is 405.

8. If the middle term in the binomial expansion of is equal to , find the value of

9. Show that where is divisible by 225.

10. Which is larger or 10000 ?