**ASSIGNMENT NO.- 11[Ch-9(Differential Equations)]**

**Class -XII**

1. Write order and degree of differential equations:

 (a) (b)

 (c) (d)

2. Show that the solution of the differential equation is

 .

3. Form the differential equaton of family of circles passing through origin and whose centres lie on

 x-axis.

4. Form the differential equaton of all circles passing through origin and whose centres lie on

 y-axis.

5. Solve the differential equation ,when

6. Solve the differential equation

7. Show that the following differential equation is homogeneous,and then solve it:

8. Find the particular solution of the differential equation

9. Solve the following differential equation

10. Find the general solution of the differential equation

11. Solve :

12. Solve :