Kafrelsheikh University **Faculty of Science** **1st year Chemistry**	**Second Term 2019-2020** **Research topics**	**Subject: Analytic Geometry and Integration**

Write on one topic of the following in not less five pages:

1- The process of integration and standard integrals.

2- The definite integrals.

3- Integration using algebraic substitutions.

4- Integration using trigonometric substitutions.

5- Integration using partial fractions.

6- Cartesian and polar coordinates.

7- Translation of axes.

8- Rotation of axes.

9- The straight line.

10- Circles and Family of circles.

Dr. Roshdey Mareay