

من خلال دراستك لمادة التحليل العددي تناول بالشرح بالتفصيل عن احد الموضوعات التالية :-

- 1- Interpolation , give some applied examples.
- 2- Definitions of all operators, the relations between $(\nabla, \Delta, \delta, E)$ and give some applied examples.
- 3- Divided Differences, how do you obtained interpolation and give some applied examples.
- 4- Runge- Kutta methods and the error, give some applied examples.
- 5- Three different methods to solve any integration and the error, give some applied examples.
- 6- Three different methods to solve initial value problems, give some applied examples.
- 7- The methods which solved any system linear equations and the error , give some applied examples.
- 8- The methods which solved any nonlinear equations and the error, give some applied examples.
- 9- Numerical integration, give some applied examples.
- 10 – Lagrange's interpolation formula and the error, give some applied examples.

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