National University of Sciences & Technology

School of Electrical Engineering and Computer Science

Department of Humanities & Sciences

MATH-351: Numerical Methods (3+0): 2k20-BEE-12CD Spring-2023

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| Assignment # 1 | |
| CLO1: Explain the consequences of finite precision and describe the amount of error inherent in different Numerical methods.  CLO2: Define algorithms for different Numerical techniques. | |
| Maximum Marks: 10 | Due date: 07 March 2023 |

**Note: Perform all necessary steps otherwise marks will be deducted.**

**Question. 1:** Compute the order of convergence or rate of Regula Falsi method.

**Question. 1:** Compute the order of convergence or rate of convergence of Secant method.

**Question. 2:** Compute the order of convergence or rate of convergence of Newton-Raphson method.