Course: Numerical Computing I Supervisor: Ms. Shaista Rais Department of Computer Science University of Karachi

ASSIGNMENT #1

- Q1. What are the absolute and relative errors of the approximation 3.14 to the value π ?
- Q2. A resistor labeled as $240~\Omega$ is actually $243.32753~\Omega$. What are the absolute and relative errors of the labeled value?
- Q3. The voltage in a high-voltage transmission line is stated to be $2.4\,\mathrm{MV}$ while the actual voltage may range from $2.1\,\mathrm{MV}$ to $2.7\,\mathrm{MV}$. What is the maximum absolute and relative error of voltage?