**Numerical Differentiation and Integration**

1. **WAP to find Numerical Differentiation with Newton Forward Differences (with error).**
2. **WAP to find Numerical Differentiation with Newton Backward Differences (with error).**
3. **WAP to find Numerical Differentiation with Central Differences (with error).**
4. **WAP to find Maxima & Minima Tabulated Functions.**
5. **WAP to find Numerical Integration with Newton-Cotes Quadrature Formula (with error).**
6. **WAP to find Numerical Integration with Trapezoidal Rule (with error).**
7. **WAP to find Numerical Integration with Simpson’s 1/3 Rule (with error).**
8. **WAP to find Numerical Integration with Simpson’s 3/8 Rule (with error).**
9. **WAP to find Numerical Integration with Boole’s Rule (with error).**
10. **WAP to find Numerical Integration with Weddle’s Rule (with error).**
11. **WAP to find Numerical Integration with Romberg Method (with error).**
12. **WAP to find Numerical Integration with Gauss Integration for n = 2 (with error).**
13. **WAP to find Numerical Integration with Gauss Integration for n = 3 (with error).**