

**University of Asia Pacific**  
**Department of CSE**  
CSE 313 (Sec - A), CT - 1, Spring 2020

1. What is truncation error? Briefly explain with an example. 5
2. Apply backward divided difference approximation (BDD) to find the numerical value of  $\frac{d}{dx}(e^{0.5x})$  at  $x=2.5$  using a step size of 1.5. 5