University of Asia Pacific
Department of CSE
CSE 313 (Sec - B), CT - 4, Fall 2020
Duration: **20** mins for writing + **5** mins for scan & upload

Instructions:
1. Please read the questions carefully and answer in pen in consecutive order if possible.
2. The question paper consists of 1 question.
3. Answer all questions.
4. Crying is allowed but please do so quietly.
5. Do not wipe tears on exam paper.
6. Write your **ID** and **Name** at the beginning of your answer script.
7. Good luck!

1. The upward velocity of a rocket is given as a function of time in the Table 1. Find the velocity at t = ☻ seconds using the Newton Divided Difference method for Quadratic interpolation.

Table 1: Velocity as a function of time

***t* (s)**	***v*(*t*) (m/s)**
8	227.04
36	1004.597
65.75	1902.249
95.5	2799.901
125.25	3697.553
155	4595.205
184.75	5492.857

***Note*:** Please replace the value of t (☻) in the question with the addition of your roll number (e.g. xxxxxx**51**) and 10 (i.e. **51 + 10**). **10**