University of Asia Pacific
Department of Computer and Science
CSE 315 (Peripheral and Interfacing)

Full Marks: 20   **Writing Time: 20 minutes**

Upload Time: 5 minutes

Instructions:
   a. Please write the answers on your copy (hard) and make it a PDF using CamScanner.
   Upload the PDF on the assignment I have created in the Google Classroom.
   b. While giving exam you must switch your camera on.

1. Solve the truth table below which represents a combinational circuit. Where X_0 & Y_0 are two different inputs and Z_0 is the output.   15

M	N	Z_0
0	0	$Y_0 + X_0 +$ **Valentine**
0	1	$Y_0 \oplus X_0 \oplus$ *Last bit of the number 14* (Must be generated through code)
1	0	$Y_0 + (!X_0 + 1) -$ **Falgun**
1	1	Print the string →"Pohela Falguner Shuvessa and Happy Valentine's Day Dear **A**"

Valentine= The last bit of the last digit of your registration number (Must be generated through code)
Falgun= The second last bit of the last digit of your birth date (Must be generated through code)
A= *Your name*