RP/IPRC TUMBA

ACADEMIC YEAR: 2019-2020

Dept: RE / LEVEL 3/ SEMESTER 2

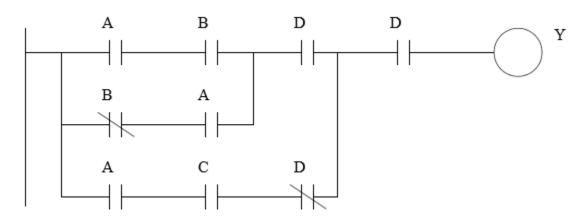
MODULE TITLE: AUTOMATION AND CONTROL SYSTEM

MODULE CODE: REN302

Friday 12th Nov, 2020

ASSIGNMENT 6/

- 1) Write a simple program that will use timer to flash a light. The light should be on for 1.0 seconds and off for 0.5 seconds. Do not include start or stop buttons.
- 2) Write a PLC program that only uses timer. When an input A is turned on a light will be on for 10 seconds. After that it will be off for two seconds, and then again on for 5 seconds. After that the light will not turn on again until the input A is turned off.
- 3) Write a ladder logic program that will turn on an output Q five seconds after an input A is turned on. If input B is on the delay will be eight seconds.
- 4) Convert the following ladder logic to a truth table.



NB. To be submitted not later than: Nov 19, 2020 before 11:59 PM

- Submission: **Hard copy to be submitted**

- Group Size: **4students**

	If you need further clarifications please reach me to my email or Whatsap through:
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Stay safe and protected by washing your hands every time, avoiding shaking your friends	
or any p	physical contact!!!!