RP/ IPRC TUMBA

ACADEMIC YEAR: 2019-2020

Dept: RE

LEVEL 3/ SEMESTER 2

MODULE TITLE: AUTOMATION AND CONTROL SYSTEM

MODULE CODE: REN302

Monday 18ᵗʰ May, 2020

ASSIGNMENT 2 /

1) Write a PLC program to implement the conditional logic statements (a), (b) and (c) below.

   a) A lamp controlled by a PLC is to be switched on if neither of three input switches is closed.   **/6marks**

   b) A lamp controlled by a PLC is to be switched on if any *two* of four input switches are closed but not three or more.   **/7marks**

   c) A lamp controlled by two start Push-Buttons and three stop switches is to be switched on if either of two input *start* Push-Buttons is pressed and all of three *stop* switches are closed. **/7marks**

NB. To be submitted not later than: **May 31, 2020** before 11:59 PM

   - Submission must go through : **RP-elearning platform**
   - No email or WhatsApp submission will be accepted
   - Copy and paste will not be tolerated
   - If you need further clarifications please reach me to my email or Whatsap through: **jniyitegeka@iprctumba.rp.ac.rw /+250788973044**

Stay safe and protected by washing your hands every time, avoiding shaking your friends or any physical contact!!!!