

Assumption University
 Vincent Mary School of Engineering
 EE3704 Embedded System
 Quiz : Set 4 (5%)

Name.....

ID.....

Date: 18 May 2021 (75 Min)

Note:

- i. Open notes, computer, any calculators can be used.
- ii. There is only 1 question.
- iii. There is no restriction of method of writing program to make it work.
- iv. Hand in or show your code along with your VDO/PDF.

Work 100%.....Work partially.....Few operation
 (25) (15) (5)

<i>Performance</i>	<i>Work</i>	<i>Partially work</i>	<i>Not Work</i>
Working of Task (50) <ul style="list-style-type: none"> - DIP Switch Function (20) - Potentiometer and M value (10) - CC 7 Segments 3 Characters (10) - AL-LED (5) - Serial monitor (5) 			
<i>Connection</i>	<i>Yes</i>	<i>No</i>	
Ports correctness (25) <ul style="list-style-type: none"> - DIP Switch (5) - Potentiometer (5) - 7 Segments (CC) (10) - AL-LED (5) 			

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Q1. (100 marks) From following figure, write program:

- i. Potentiometer is used to set the delay speed of 7 segments.
 Potentiometer lowest as 1s and highest as 5s. Serial monitor shown the adjusted interval “ data = M second”.
- ii. DIP Switch (DIP switch PIN as 123) set
 1. 101 : AL-LED Blink with 2s interval.
 2. 000 : AL-LED and CC 7-segment all light OFF.
 3. 111 : AL-LED and CC 7-segment all light ON.
 4. others : CC 7-Segments run character as shown with Ms from potentiometer adjusted.

