Assumption University
Vincent Mary School of Engineering
EE3704 Embedded System
Quiz : Set 1 (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)

Performance	***Work***	***Partially work***	***Not Work***
Working of Task **(50)** - DIP Switch Function (20) - Potentiometer and M value (10) - CA 7 Segments 3 Characters (10) - AL-LED (5) - Serial monitor (5)			
Connection	***Yes***	***No***	
Ports correctness **(25)** - DIP Switch (5) - Potentiometer (5) - 7 Segments (CA) (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. 100 : AL-LED Blink with 2s interval.
2. 000 : AL-LED and CA 7-segment all light OFF.
3. 111 : AL-LED and CA 7-segment all light ON.
4. others : CA 7-Segments run character as shown with Ms from potentiometer adjusted.