VELAMMAL INSTITUTE OF TECHNOLOGY

B.E / B.Tech. PRACTICAL EXAMINATIONS, JULY/AUGUST 2021

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Sixth Semester)
EC8681 & MICROPROCESSORS AND MICROCONTROLLER LABORATORY
(Regulations 2017)   SETA

Time : 3 Hours   Max. Marks 100

Aim/Principle/ Apparatus required/Procedure	Program	Output & Results	Viva-Voce	MCQ	Total
15	50	10	10	15	100

1.	(a) Write and execute 8086 assembly language program to perform multiplication of two 16 bit numbers using Emulator. (50) (b)Write and execute 8086 assembly language program to interface printer with 8086 and print a string of characters . (50)
2.	(a)Write and execute an assembly language program using 8086 to sort a given array in ascending order with array of length 8. (50) (b)Write and execute 8086 ALP to interface a traffic light controller .(50)
3.	(a)Write and execute 8086 assembly language program to find a character and replace it (50) (b) Write and execute an assembly language program to digital clock using 8086
4.	(a) Write and execute an assembly language program to perform division using 8051 (50) (b) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50)
5.	(a) Write and execute and execute 8086 assembly language program to perform logical operations (50) (b) Write and execute an assembly language program using 8086 to sort a given array in ascending order with array of length 8. (50)
6.	(a).Write and execute an assembly language program to convert BCD number to ASCII number. (50) (b). Write and execute an assembly language program to interface printer with 8086 and print a string of characters. (50)

7.	(a) Write and execute a 8086 assembly language program to find the sum of 10 numbers. (50)
	(b) Write and execute 8086 assembly language program to find the smallest number from an array of length 5. (50)
8.	(a) Write and execute a 8086 assembly language program for 3x3 matrix addition
	(b) Write and execute assembly language program for sum of consecutive of 6 location data.
9.	(a) Write and execute 8086 assembly language program to find the smallest number from an array of length 5. (50)
	(b) Write and execute a 8086 assembly language program for 3x3 matrix addition
10.	(a). Write and execute an assembly language program using 8086 to sort a given array in Descending order with array of length 8. (50)
	(b) Write and execute a 8086 assembly language program for 3x3 matrix addition
11.	(a).Write and execute an assembly language program to perform matrix addition using 8086 (50).
	(b) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50)
12.	(a) Write and execute assembly language program for sum of consecutive of 6 location data
	(b) Write and execute 8086 assembly language program to find the Largest number from an array of length 5. (50)
13.	(a)Write and execute 8086 assembly language program to perform addition of two 16 bit Numbers . (50)
	(b)Write and execute an assembly language program to interface traffic light controller with 8086(50)
14.	(a) Write and execute an assembly language program to perform subtraction using 8086. (50)
	(b) Write and execute 8086 assembly language program to find the smallest number from an array of length 5. (50)
15.	(a)Write and execute 8086 assembly language program to find the Largest number from an array of length 5. (50)
	(b) Write and execute an assembly language program using 8086 to sort a given array in Descending order with array of length 8. (50)
16.	(a). Write and execute 8086 assembly language program to perform multiplication of two 16 bit numbers. (50)
	(b) Write and execute assembly language program for sum of consecutive of 6 location data
17.	(a). Write and execute an assembly language program to perform logical operations using 8086 (50)

	(b) Write and execute 8086 assembly language program to find the smallest number from an array of length 5. (50)
18.	(a) Write and execute an assembly language program to find square of a number using 8086(50) (b) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50)
19.	(a) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50) b). Write and execute 8086 assembly language program for replace a character.
20.	(a). Write and execute an assembly language program to convert a BCD number into ASCII using 8051. (50) (b) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50)
21.	(a)Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50) (b)Write and execute an assembly language program to a digital clock using 8086
22	(a) Write and execute and execute an assembly language program to perform logical operations using 8051 (50) (b) Write and execute 8086 assembly language program for replace a character.
23	(a) Write and execute an assembly language program to perform addition using 8086 (50) (b) Write and execute an assembly language program using 8086 to sort a given array in Descending order with array of length 8. (50)
24	(a) Write and execute an assembly language program to find square of a number using 8086(50) (b) Write and execute 8086 assembly language program for replace a character.
25	(a) Write and execute 8086 assembly language program to move a block of 5 bytes from source to destination(50) (b) Write and execute 8086 assembly language program to find the smallest number from an array of length 5. (50)

INTERNAL EXAMINER   **EXTERNAL EXAMINER**