15CSE285-Embedded Systems Lab
Periodical Test 1

Set-1

1. Write an ALP to perform the following: If x=0-perform w + v; else if x=1-perform w-v; else if x=2-perform w*v; else if x=3-performw/v, where w & v are eight bit numbers.

2. Write an ALP to find largest element in a given array present in external memory with a starting address 4000h and size of an array is 10h.

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Set-2

1. Eight bit numbers X, NUM1 & NUM2 are stored in internal data RAM locations 20h, 21h& 22H respectively. Write an ALP to compute the following. IF X=0; THEN NUM1 (AND) NUM2, IF X=1; THEN NUM1 (OR) NUM2,IF X=2; THEN NUM1 (XOR) NUM2, ELSE RES =00, RES IS 23H LOCATION

2. Write an ALP to find factorial of a number using call and return instructions

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Set-3

1. Write an ALP to implement decimal to hex conversion

2. Write an ALP to arrange numbers in ascending order

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Set-4

1.Write an ALP to implement hex to decimal conversion

2. Write an ALP to find smallest element in a given array present in external memory with a starting address 4000h and size of an array is 10h.