SAAD UR REHMAN LAB 0 TASK: Date:_____

K-19 0218.

TASK 1 :- E9A5 → decimal

⇒ $(14 \times 16^3) + (9 \times 16^2) + (10 \times 16^1) + (5 \times 16^0)$

⇒ $57344 + 2304 + 160 + 5$

⇒ $(59813)_{10}$

TASK 2. A2B

A ⇒ 10, B ⇒ 11.

10 2 11

1010   0010   1011
(A)   (2)   (B).

TASK 3 :- 1011001 << 3

(1)   0110011
(2)   1100110
(3)   1001101   Ans

[1001101] Ans

TASK 4 :

Very long word.

TASK 5 :-

1011011

Two's Comp. => 0100101 Ans

TASK 6 :-

Because i think its important to know how things work whenever we are close to hardware. The examples are telephones, automobile fuel, ignition system, security system, it is most commonly used for writing embedded programs because they takes small amount of memory.