COSC 211

(a) Len encoding - 0xad/00000

Enplaination:

Sw \$50 0(\$+0)

=> S.w \$16 0 (\$8) offset

I - Farmet nt

6 hists 5 hits 5 hits

92 + / immediate/obbset

10/01/0/000/10000 00000000000000000

10/0 110/ 000/ 0000 0000 0000 0000

0x ad10 00 00

reme, proved.

(h) beg is enwded as 0x1212 0007

000/00/0000 0000 0000 0000 0000 011/

meg - 000100 rs | rt 06/1et

The offset is autrally determined by cremting hier far is the Label from the relative presition of instruction. In relative presition of instructions our enample, emit is 7 instructions our enample, emit is 7 instructions for from heap. Therefore airs affect for from heap.

men une use: The offset is sign entended, multiplied by 4, and added to value of PC when conclition is met, PC is updated unith PC+4+ offset*4. For paint to latel.

In our enample, coffset is 7. (3) Therefrere PC = PC + 4 + 7 * 4

(C) j envoled as $0 \times 0 \times 100007$.

J- Format.

6 luits 26 luits
Of address.

In the address we have divided by 4.

address of the label divided by 4.

In our question we have j book

address of book -

 Binary:-

Henaderinal - 0x08100007

treme, prieme d.