(1) What are the hexadecimal machine language byte(s) for the following instructions?
   (a) [1 marks] MOVX @DPTR, A
       F0h.
   (b) [1 marks] SETB P3.1
       D2h, B1h (where B1h is the bit address of P3.1).

(2) [3 marks] What assembly instruction(s) are represented by the following machine language
       bytes?
       75h, 8Ah, E7h
       MOV 8Ah,#E7h ;A MOV dir, #data instruction.

(3) Assume the instruction
   AJMP LABEL
   is in code memory at addresses 1600H and 1601H, and the label LABEL corresponds to an
   instruction at address 1723H.
   (a) [3 marks] What are the hexadecimal machine language byte(s) for this instruction?
       E1H, 23H
   (b) [2 marks] Would the instruction be valid if the label LABEL corresponded to an instruc-
       tion at address 1A23H? If so give the hexadecimal machine language byte(s), otherwise
       briefly explain why not.
       No, the code address 1A23H is not in the same 2K page as the address
       1602H (the value of the PC after the AJMP is executed) since the upper 5
       bits of the addresses differ.