



5. Explain the operation of the instructions used for loading a full address pointer (LDS, LSS, LES, LFS, LGS).

6. Show the results of running the following program if DATA\_SEG\_ADDR = 1200H, assuming the memory contents shown:

DATA\_SEG\_ADDR:0000

DATA\_SEG\_ADDR:INIT\_TABLE

11	22	
33	44	
55	66	
77	88	
99	AA	
BB	CC	
DD	EE	
FF	16	
03	17	

```
MOV AX, DATA_SEG_ADDR
MOV DS, AX
MOV SI, [INIT_TABLE]
LES DI, [INIT_TABLE+02H]
MOV AX, [INIT_TABLE+06H]
MOV SS, AX
MOV AX, [INIT_TABLE+08H]
MOV BX, [INIT_TABLE+0AH]
MOV CX, [INIT_TABLE+0CH]
MOV DX, [INIT_TABLE+0EH]
```