[B] Name: 冰井海竹 ID: 6/07011 1. (Multiple Choices) For MCS-51, what are interrupt vectors? Q. C. (a) RESET (b) Timer0 (c) CAN (d) PWM (e) INT1 2. (Multiple Choices) Which addressing modes are included in the following instructions? (a) direct (b) indexed (c) bit (d) immediate (e) register (f) indirect direct. MOV A, RO reg. MOV 30H, A bit. **SETB 21H.1** indirect. MOVA, @RO 3. (Multiple Choices) For MCS-51, what are special function registers? (a) PWM (b) ADC (c) I2C (d) PC (e) SP (f) DPTR d.e.f. 4. List 3 characteristics/advantages of RISC. 指写簡單、功能化 363 Register. Show the value of A after executing the following instructions. 01010110 0110 0101 MOV A, #65H **SWAPA** 6. What are the content of SP and the memory addresses 22H, 23H, 32H and 33H after running the following instructions? 221-#23-1 MOV 22H, #23H 22H= #23H. 231-1=#221-1 23H=制22H. MOV 23H, #22H MOV SP, #72H PUSH 23H 322 23H = \$22h 23 PUSH 22H 324= 224. 324 = \$234. 334=234. 3211=1021 72 PUSH 23H 33H = \$23H POP 32H POP 33H 324 = \$354 7. Fill out (a), (b), (c) and (d) to complement A 840 times. MOV A, #55H 0=20 MOV R1, (a) 20 b=31 MOV R2, (b) 39. 42. NEXT: C=AGAIN. 100012011 AGAIN: CPL A d- NEXT. DJNZ R2,(c) AGAIN DJNZ R1,(d) NEXT. 8. Show the status of CY, AC and P in PSW register after the addition of 9BH and 98H= 12011011 65H= 01100101. 00000000