

**中南民族大学试卷参考答案**  
**试卷名称 汇编语言与计算机组成**  
**(18级软工实验班)(A卷共 3页)**

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1. (10 points)

- (1) direct, register
- (2) register, direct
- (3) register indirect, register,
- (4) direct, register
- (5) direct, immediate

2. (10 points)

- (1) C7, 11000111                      (2) 101, 01100101                      (3) B9, -71
- (4) -56, 11001000                      (5) 46, 70

3. (10 points)

- (1) 40    (2) 10    (3) 4    (4) 8    (5) 9

4. (10 points)

- (1) ✓
- (2) ✓
- (3) ✓
- (4) ✕
- (5) ✕
- (6) ✕
- (7) ✓
- (8) ✕
- (9) ✓
- (10) ✓

5. (28 points)

- (1) 0400C005, 0000000C, 1
- (2) (a) 115    (b) Multiply the value in ax by 5 and the result is stored in ax.
- (3) (a) 0, 2    (b) 0, 3
- (4) AAAAAAEfgh

6. (32 points)

- (1)
- .386
- .MODEL FLAT

ExitProcess PROTO NEAR32 stdcall,dwExitCode:DWORD

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```
INCLUDE io.h
cr      EQU      0dh
Lf      EQU      0ah
.STACK      4096
.DATA
prompt   BYTE    "Input 10 signed numbers please:",cr,Lf,0
inbuffer  BYTE    40   DUP(?)
value    BYTE    11   DUP(?),cr,Lf,0
.CODE
_start:   output prompt
          mov     ecx,10
          mov     ebx,80000000H
while1:   input   inbuffer,40
          atod    inbuffer
          cmp     ebx,eax
          Jge L1
          Mov     ebx,eax
L1:
          loop    while1
continuel: dtoa    value,ebx
          output  value
          INVOKE  ExitProcess,0
          PUBLIC  _start
END
```

(2)

```
MYTEST  PROC      NEAR32
          Shl ax, 1
          Jc A1
          Mov ax,10
          Jmp A2
A1: Mov ax, -10
A2: ret
MYTEST  ENDP
```

(3)

```
N2A  macro x
```

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```
local L1
mov al,x
cmp al,9
ja L1
add al,30h
mov x,al
L1:
endm
```