



# CS-401 Assembly Language Update MCQS For Quiz-5 File Solve By Vu Topper RM



**85 To 100% Marks**



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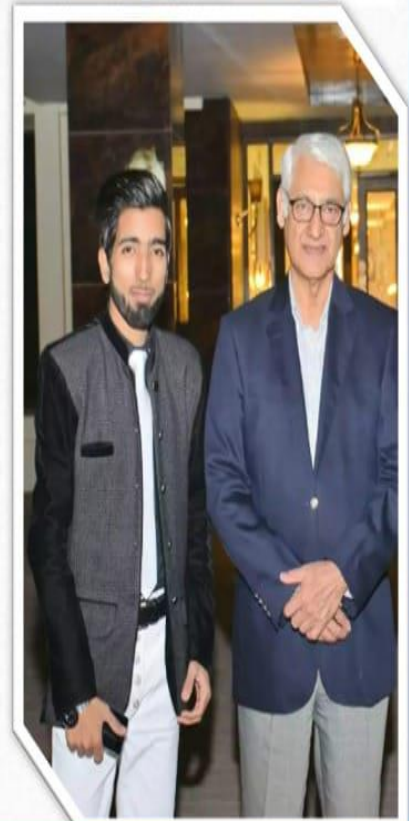
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The thread registration code initializes the Process Control Block (PCB) and adds it to the linked list. The \_\_\_\_\_, then gives it a turn.

- A. Linker
- B. Scheduler**
- C. Assembler
- D. Interpreter

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Which of the following instructions, selects the peripheral address space?

- A. In**
- B. Mov
- C. Add
- D. Dec

**Page 107**

According to the IBM standard, port number(s) for the parallel port is/are \_\_\_\_\_

- A. 378**
- B. 380
- C. 20 and 21
- D. 60 and 64

**Page 107**

Which of the following Interrupt Requests (IRQ) is used for a floppy disk drive?

- A. IRQ 6**
- B. IRQ 7
- C. IRQ 8
- D. IRQ 9

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Which of the following interrupt requests (IRQ) is connected to serial port COM 1?

- A. IRQ 3
- B. IRQ 4**
- C. IRQ 5
- D. IRQ 6

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Which of the following IRQs is used by the parallel port?

- A. IRQ 5
- B. IRQ 4
- C. IRQ 6
- D. IRQ 7**

**Page 106**

When two devices in a system want to use the same Interrupt Request (IRQ) line, is referred as IRQ \_\_\_\_\_.

- A. Crash
- B. Conflict**
- C. Collision
- D. Blockage

**Page 106**

Which of the following is the priority of interrupt request (IRQ) 0?

- A. High
- B. Low
- C. Highest**
- D. Medium

Which of the following is the number of pin(s) outside the processor for generating interrupts by the external hardware?

- A. 4
- B. 3
- C. 1**
- D. 2

Programmable Interrupt Controller (PIC) has \_\_\_\_\_ input signal(s) and \_\_\_\_\_ output signal(s).

- A. one, one
- B. eight, one**
- C. one, eight
- D. eight, eight

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The Programmable Interval Timer (PIT) has an input frequency of

**A. 1.193MHz** Page 122

B. 2.192MHz

C. 3.196MHz

D. 4.198MHz

Which of the following instruction is used to return from an interrupt service routine?

A. Ret

B. Iret

**C. Reti** Google

D. Intr

Which of the following interrupts is used for exporting parallel port services?

A. INT 08

B. INT 15

C. INT 16

**D. INT 17**

Which of the following flags can be used in mathematical operations?

A. Trap flag

**B. Carry flag** Page 125

C. Direction flag

D. Interrupt flag

Which of the following Interrupt Requests (IRQ) is derived by the timer device?

**A. IRQ 0** Page 105

B. IRQ 1

C. IRQ 2

D. IRQ 3

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Which of the following is BIOS interrupt providing keyboard services?

**A. INT 0x16**

B. INT 0x15

C. INT 0x13

D. INT 0x14

Which of the following instructions is used to read a character from the keyboard port?

A. in al, dx

B. in al, 0x21

**C. In al, 0x60**

D. out al, 0x60

The offset address of an interrupt service routine "n" is at

\_\_\_\_\_.

A. n

B. nx2

**C. nx4**

D. nx3

Which of the following is the time interval between two timer ticks?

**A. 55ms**

**Page 114**

B. 45ms

C. 40ms

D. 50ms

Which of the following Interrupt Requests (IRQ) is connected to serial port COM 2?

**A. IRQ 3**

B. IRQ 4

C. IRQ 5

D. IRQ 6

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Which of the following is the order of pushing the contents on stack during the execution of INT instruction?

- A. FLAGS, IP, and then CS
- B. FLAGS, CS, and then IP
- C. CS, IP, and then FLAGS**
- D. IP, CS, and then FLAGS

Which of the following instructions, selects the memory address space?

- A. In
- B. Add
- C. Mov**
- D. DEC

**Page 107**

DOS has a single entry point to access all of its services through

- A. INT 21**
- B. INT 16
- C. INT 10
- D. INT 2

**Page 100**

The space where all registers of a task are stored is called

- A. Heap
- B. Local variable
- C. Cache memory

**D. Process control block (PCB)**

**Page 132**

The output of Programmable Interval Timer (PIT) is connected to the \_\_\_\_\_ line of Programmable Interrupt Controller (PIC).

- A. IRQ 0**
- B. IRQ 1
- C. IRQ 2
- D. IRQ 3

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Which of the following is the ACK pin in DB-25 connector?

**A. 10**      **Page 117**

B. 11

C. 12

D. 13

Which of the following interrupts is of highest priority?

A. INT 2

B. INT 3

**C. Timer interrupt**      **Page 122**

D. Key board interrupt

Which of the following is the source register in OUT instruction?

**A. AL or AX**      **Page 107**

B. BL or BX

C. CL or CX

D. DL or DX

IBM AT has \_\_\_\_\_ Programmable Interrupt Controllers (PIC).

**A. 2**      **Page 104**

B. 4

C. 6

D. 8

An End of Interrupt (EOI) signal is sent by the \_\_\_\_\_.

A. Processor

B. Interrupt request

C. Interrupt handler

**D. Programmable interrupt controller**

Programmable interrupt controller has \_\_\_\_\_ ports.

**A. 2**      **Page 107**

B. 1

C. 3

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D.4

Which of the following statements is correct regarding the input frequency of Programmable Interval Timer (PIT)?

- A. It is fixed
- B. It is variable
- C. It depends on processor clock**
- D. It depends on hardware attached

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\_\_\_\_\_ is used for exporting keyboard services.

- A. INT 8
- B. INT 11**
- C. INT 12
- D. INT 16

Which of the following interrupts is used for saving and restoring the registers?

- A. INT 08**
- B. INT 10
- C. INT 09
- D. INT 16

Which of the following IRQs is used for sound card or network card?

- A. IRQ 6
- B. IRQ 5**
- C. IRQ 7
- D. IRQ 4

In Intel 8088, the Interrupt Vector Table occupies \_\_\_\_\_ of memory.

- A. 1 KB
- B. 1 MB
- C. 64KB
- D. 4 bytes**

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At the end of servicing an interrupt, \_\_\_\_\_ signal is used to inform the Programmable Interrupt Controller (PIC) about it.

**A. EOL** Page 106

- B. IOE
- C. IRET
- D. RET n

A parallel port has \_\_\_\_\_ views.

**A. 2** Page 116

- B. 4
- C. 8
- D. 1

WHICH OF the following interrupts is used to maintain the system time?

- A. INT 9
- B. INT 8**
- C. INT 10
- D. INT 11

\_\_\_\_\_ is a special type of interrupt that returns to the same instruction instead of the next instruction.

- A. Debug interrupt
- B. Change of sign interrupt
- C. Divide overflow interrupt** Page 99
- D. Arithmetic overflow interrupt

\_\_\_\_\_ is used in debugging along with the trap flag.

**A. INT 1** Page 97

- B. INT 0
- C. INT 3
- D. INT 4

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If the \_\_\_\_\_ flag is set, then after every instruction, a type 1 interrupt will be generated automatically.

**A. Trap** **Page 97**

- B. Carry
- C. Parity
- D. Overflow

Which of the following is the highest priority interrupt

- A. INT 03
- B. INT 02
- C. INT 01

**D. INT 08** **Page 106**

In programmable interrupt controller, which of the following ports is the control port?

- A. Port 19
- B. Port 20**
- C. Port 21
- D. Port 22

The parallel port connector is called \_\_\_\_\_.

**A. DB-25** **Page 117**

- B. BD-25
- C. DB-24
- D. BD-24

Which of the following is the destination register in IN instruction?

- A. AL or AX**
- B. BL or BX
- C. CL or CX
- D. DL or DX

Port \_\_\_\_\_ is used to send an End Of Interrupt (EOI) signal to the Programmable Interrupt Controller (PIC) after an interrupt has ended?

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- A. 0x20
- B. 0x10
- C. 0x30
- D. 0x40

In Programmable Interrupt Controller (PIC), which of the following ports is used to selectively enable or disable interrupts?

- A. 19
- B. 20
- C. 21
- D. 22

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Which of the following Interrupt Requests (IRQ) is derived by the keyboard?

- A. IRQ 1
- B. IRQ 2
- C. IRQ 3
- D. IRQ 4

Page 106

Which of the following interrupts plays the most significant part during single step debugging of a program?

- A. INT 1
- B. INT 3
- C. INT 2
- D. INT 0

Which of the following are the data pins used to take data from the processor to the device connected through parallel port?

- A. 2 to 9
- B. 18 to 25
- C. 10 to 17
- D. 20 to 27

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The first parallel port LPT1 has ports designated from \_\_\_\_\_ to \_\_\_\_\_.

**A. 378,37A**

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B. 178, 17A

C. 278, 27A

D. 478, 47A

On executing INT 0x21 service 0x3D, if file is successfully opened then

A. CF will contain 1

B. CF will contain 0

C. ZF will contain 1

**D. ZF will contain 0 Google**

The maximum length of DOS command line parameters is

A. 64 bits

B. 127 bits

C. 256 bits

**D. 512 bits**

In case of COM file, first command line parameter is stored at \_\_\_\_\_ offset of 'program segment prefix'

**A. 0x80**

B. 0x82

C. 0x84

D. 0x86

In 9pin DB 9 connector, which pin is assigned to TD (Transmitted Data) ?

A. 1

B. 2

**C. 3**

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D. 4

New devices are allowed to work with the existing operating system with the help of \_\_\_\_\_.

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- A. BIOS
- B. Sockets
- C. Device drivers** Google
- D. Port addresses

Which of the following symbols is used to terminate a string in assembly language?

- A. !
- B. #
- C. \$**
- D. ;

As compared to \_\_\_\_\_, \_\_\_\_\_ provides more cooked services.

- A. BIOS, DOS**
- B. DOS, OS
- C. DOS, BIOS
- D. OS, DOS

**Page 153**

Which of the following stands for TSR?

- A. Terminate and stay resident**
- B. Truncate and Start Recursively
- C. Terminate and Store Routines
- D. Transmit and Save Resources

iret returns on the basis of \_\_\_\_\_ and \_\_\_\_\_.

- A. CS,SS
- B. CS,IP**
- C. IP,SP
- D. DS,IP

Which register is generally used to specify the service number of an interrupt ?

- A. AX**
- B. CX

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- C. BX
- D. DX

In 9pin DB 9 connector, which pin is assigned to RD (Received Data) ?

- A. 1
- B. 2**
- C. 3
- D. 4

**Page 163**

In multitasking, which of the following interrupts is used as a scheduler?

- A. INT 08**
- B. INT 21
- C. INT 16
- D. INT 13

**Page 133**

Which of the following services of INT 10 is used for writing the string?

- A. 0x12
- B. 0x13**
- C. 0x11
- D. 0x10

On executing INT 0x21--service 0x3D, if file can't be opened then

- A. CF will contain 1
- B. CF will contain 0
- C. ZF will contain 1**
- D. ZF will contain 0

**Google**

In 9pin DB 9 connector, which pin is assigned to Signal Ground ?

- A. 3
- B. 4
- C. 5**
- D. 6

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While using INT 10 for writing graphic pixel on screen, which of the following registers hold the information about pixel color?

- A. DH
- B. DL
- C. AH
- D. AL**

"INT13 --BIOS disk services" generally uses which register to return the 'error flag' ?

- A. CF
- B. DL
- C. AH**
- D. AL

**Page 148**

Which of the following INT 21 service is used to read character from standard input?

- A. 00
- B. 01**
- C. 02
- D. 03

**Page 144**

A FAT32 file system directory entry in DOS consist of how many bytes ?

- A. 16
- B. 24
- C. 32**
- D. 64

**Page 147**

Which of the following services of INT 10 is used to write graphic pixel on the screen ?

- A. 0Ah
- B. 0Bh
- C. 0Ch**
- D. 0Dh

**Page 144**

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Which of the following services of INT 10 is used to get the video font information?

A. 1129h

**B. 1130h**

**Page 142**

C. 1128h

D. 1127h

In the context of video services, if we want to set cursor position which of the following will be the value of AH?

A. AH = 01h

**B. AH = 02h**

**Page 141**

C. AH = 03h

D. AH = 04h

The 'program segment prefix' for com files is of \_\_\_\_\_ size.

A. 64 bytes

B. 128 bytes

**C. 256 bytes**

D. 512 bytes

While writing graphics pixel on the screen, which registers hold the value for setting cursor position?

A. BX, CX

B. AX, BX

**C. CX, DX**

**Google**

D. AX, CX

The register size of 386 architecture is \_\_\_\_\_.

A. 4 GB

B. 16 bit

**C. 32 bit**

D. 20 bit

The first entry of the GDT must always be zero, it is called the \_\_\_\_\_.

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- A. Code Descriptor
- B. Data Descriptor
- C. Null descriptor**
- D. Global Descriptor Table

**Page 168**

A 32-bit address register can access up to \_\_\_\_ of memory.

- A. 2 MB
- B. 2 GB
- C. 4 MB
- D. 4 GB**

**Page 167**

Which of the following registers hold the page number for using the write string service of INT 10?

- A. AH
- B. BL
- C. CL
- D. BH**

In DOS input buffer, the \_\_\_\_ byte stores the maximum characters the buffer can hold.

- A. First
- B. Last
- C. Third

**D. Second**

**Page 152**

Which of the following is the size of Hard Disk MBR (Master Boot Record)?

- A. 512 bytes**
- B. 446 bytes
- C. 256 bytes
- D. 350 bytes

**Google**

Serial port services are provided by the \_\_\_\_\_.

- A. RS232
- B. BIOS INT 11

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C. BIOS INT 13  
**D. BIOS INT 14**

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Which of the following BIOS INT provides serial port services

A. INT 21

**B. INT 14**

**Page 163**

C. INT 10

D. INT 08

Which of the following registers are used as a DOS input buffer?

A. CS:BX

**B. DS:DX**

**Page 144**

C. DS:AX

D. SS:SP

BIOS video services are broadly classified into \_\_\_\_\_ categories.

A. 1

**B. 2**

**Page 141**

C. 3

D. 4

COM1 is accessible via ports \_\_\_\_\_ while COM2 is accessible via \_\_\_\_\_.

A. 3F9, 3FD

B. 3FD, 3F9

**C. 3F8-3FF, 2F8-2FF**

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D. 2F8-2FF, 3F8-3FF

The first sector on hard disk contains the

A. Data size

B. Hard disk size

C. Partition table

**D. Sector size**

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In multitasking environment, which of the following structure is used to

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maintain the order of active Process Control Blocks (PCB)?

- A. Array
- B. Stack
- C. Register

**D. Linked List**

**Page 133**

The root directory of floppy contains \_\_\_\_\_ fixed entries.

- A. 64
- B. 256
- C. 128

**D. 512**

**Page 147**

During multitasking, \_\_\_\_\_ is used to get control from the program without letting the program know about it.

**A. IRQ 0**

- B. IRQ 1
- C. IRQ 2
- D. IRQ 3

BIOS video services are exported via interrupt

**A. INT10**

**Page 141**

- B. INT9
- C. INT8
- D. INT7

In the context of video services, if we want to scroll the window up which of the following will be the value of AH?

A. AH = 05h

**B. AH = 06h**

**Page 141**

- C. AH = 07h
- D. AH = 08h

INT 0x13 service 0x03 is used to \_\_\_\_\_.

A. Read disk sector

**B. Write disk sector**

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- C. Reset disk sector
- D. Get drive parameter

We can set the current file position in DOS using service number \_\_\_\_\_

- A. 0x38
- B. 0x40
- C. 0x42**
- D. 0x43

**Page 154**

In the context of video services, if we want to write string then which of the value will be placed in AH?

- A. 10h
- B. 12h
- C. 11h
- D. 13h**

**Page 142**

In case of COM file, maximum length of parameters passed through command line can be \_\_\_\_\_

- A. 63 bytes
- B. 127 bytes
- C. 255 bytes**
- D. 511 bytes

Which standard format is used for sending data on the serial port?

- A. COM1
- B. RS232**
- C. Full duplex
- D. BIOS INT 14

**Google**

Device drivers can be divided into \_\_\_\_\_ major categories:

- A. 5
- B. 4
- C. 3
- D. 2**

**Page 158**

Which of the following service of INT 21 is used to write a string on

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standard output?

- A. 00h
- B. 02h
- C. 09h**
- D. 10h

**Page 144**

BPB stands for

- A. Bios Precise Block
- B. Basic Precise Block
- C. Bios Parameter Block**
- D. Basic Parameter Block

**Google**

The INT 0x13 service 0x08 is use to

- A. Read disk sector
- B. Write disk sector**
- C. Reset disk sector
- D. Get drive parameter

**Page 124**

COM2 is connected with

- A. IRQ2
- B. IRQ3**
- C. IRQ4
- D. IRQ5

**Page 106**

"INT13 --BIOS disk services" generally uses which register to return the 'error code' ?

- A. CF
- B. DL
- C. AH**
- D. AL

**Page 148**

\_\_\_\_\_ register is used for storing the base and limit of GDT.

- A. LDT
- B. GDTR**
- C. LGTD

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D. Null descriptor

The GDT itself is an array of descriptors where each descriptor is an \_\_\_\_\_ entry.

- A. 16 bit
- B. 32 bit
- C. 48 bit

**D. 8 bytes**      **Page 168**

**Question No:1**

**(Marks:1)**

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In 9pin DB 9 connector, which pin is assigned to CD (Carrier Detect)?

**A. Page 163**

- B. 2
- C. 3
- D. 4

**Question No:2**

**(Marks:1)**

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REPE repeats a string instruction while the \_\_\_\_\_ flag is set.

**A. Zero**

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- B. Carry
- C. Parity
- D. Direction

**Question No:3**

**(Marks:1)**

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**Question No:4**

**(Marks:1)**

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In interrupt masking, We use \_\_\_\_\_ to get control from the program without letting the program know about it.

**A. IRQ 0**

**Page 131**

- B. IRQ 1
- C. IRQ 2
- D. IRQ 3

**Question No:5**

**(Marks:1)**

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**Question No:6**

**(Marks:1)**

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Push and pop

operations

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always operate on \_\_\_\_\_.

**A. Words**

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B. Byte

C. Float

D. Integer

**Question No:7**

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**Question No:8**

**(Marks:1)**

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\_\_\_\_\_ is the highest priority interrupt in interrupt controller.

**A. IRQ 0**

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B. IRQ 1

C. IRQ 2

D. IRQ 3

**Question No:9**

**(Marks:1)**

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**Question No:10**

**(Marks:1)**

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**Question No:11**

**(Marks:1)**

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**Question No:12**

**(Marks:1)**

**Vu-Topper RM**

Hard disk MBR( Master Boot Record ) is of size

**A. 446 bytes**

**Page 150**

B. 350 bytes

C. 512 bytes

D. 256 bytes

**Question No:13**

**(Marks:1)**

**Vu-Topper RM**

**Question No:14**

**(Marks:1)**

**Vu-Topper RM**

**Question No:15**

**(Marks:1)**

**Vu-Topper RM**

**Question No:16**

**(Marks:1)**

**Vu-Topper RM**

**Question No:17**

**(Marks:1)**

**Vu-Topper RM**

**Question No:18**

**(Marks:1)**

**Vu-Topper RM**

**Question No:19**

**(Marks:1)**

**Vu-Topper RM**

**Question No:20**

**(Marks:1)**

**Vu-Topper RM**

**Question No:21**

**(Marks:1)**

**Vu-Topper RM**

**Question No:22**

**(Marks:1)**

**Vu-Topper RM**

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**Question No:23**

**(Marks:1)**

**Vu-Topper RM**

**Question No:24**

**(Marks:1)**

**Vu-Topper RM**

In 9pin DB 9 connector, which pin is assigned to DTR (Data Terminal Ready)?

- A. 1
- B. 2
- C. 3

**D. 4**

**Page 163**

**Question No:25**

**(Marks:1)**

**Vu-Topper RM**

**Question No:26**

**(Marks:1)**

**Vu-Topper RM**

**Question No:27**

**(Marks:1)**

**Vu-Topper RM**

**Question No:28**

**(Marks:1)**

**Vu-Topper RM**

**Question No:29**

**(Marks:1)**

**Vu-Topper RM**

In 9pin DB 9 connector, which pin is assigned to SG (Signal Ground) ?

- A. 1
- B. 3

**C. 5**

**Page 163**

**D. 7**

**Question No:30**

**(Marks:1)**

**Vu-Topper RM**

**Question No:31**

**(Marks:1)**

**Vu-Topper RM**

**Question No:32**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ byte of DOS data buffer stores the maximum characters buffer can hold.

- A. **First**
- B. Last
- C. Third
- D. Second

**Page 144**

**Question No:33**

**(Marks:1)**

**Vu-Topper RM**

9pin DB 9 connector which pin is assigned to DSR (Data Set Ready) ?

**A. 6**

**Page 163**

**B. 8**

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- C. 2
- D. 4

**Question No:34** (Marks:1) **Vu-Topper RM**

COM1 is connected with

- A. IRQ2
- B. IRQ3
- C. IRQ4**
- D. IRQ5

**Page 106**

**Question No:35** (Marks:1) **Vu-Topper RM**

**Question No:36** (Marks:1) **Vu-Topper RM**

**Question No:37** (Marks:1) **Vu-Topper RM**

Which of the following services of INT 10 is used text mode charge?

- A. 1110h**
- B. 1130h
- C. 1128h
- D. 1127h

**Page 142**

**Question No:38** (Marks:1) **Vu-Topper RM**

In 9pin DB 9 connector, which pin is assigned to RTS (Request to Send)?

- A. 1
- B. 3
- C. 5

**D. 7** **Page 163**

**Question No:39** (Marks:1) **Vu-Topper RM**

**Question No:40** (Marks:1) **Vu-Topper RM**

Each thread can have their own execution area

- A. List
- B. Array
- C. Stack**
- D. Memory

**Page 141**

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**Question No:41**

**(Marks:1)**

**Vu-Topper RM**

**Question No:42**

**(Marks:1)**

**Vu-Topper RM**

Threads can have function calls, parameters and \_\_\_\_\_ variables.

**A. Local**

**Page 133**

B. Legal

C. Illegal

D. Global

**Question No:43**

**(Marks:1)**

**Vu-Topper RM**

**Question No:44**

**(Marks:1)**

**Vu-Topper RM**

TSR stands for:

A. Terminate and Store Routines

B. Transmits and Save Resources

**C. Terminate and Stay Resident**

**Page 113**

D. Truncate and Start Recursively

**Question No:45**

**(Marks:1)**

**Vu-Topper RM**

Which of the following IRQs is derived by a keyboard?

A. IRQ 0

**B. IRQ 1**

**Page 114**

C. IRQ 2

D. IRQ 3

**Question No:46**

**(Marks:1)**

**Vu-Topper RM**

Which of the following IRQs is connected to serial port COM 2?

A. IRQ 0

B. IRQ 1

C. IRQ2

**D. IRQ3**

**Page 114**

**Question No:47**

**(Marks:1)**

**Vu-Topper RM**

Programmable interrupt controller (PIC) has

A. One input signal and eight output signals

B. One input signal and one output signal

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**C. Eight input signals and one output signals**

**Page 105**

D. Eight input signals and eight output signals

**Question No:48**

**(Marks:1)**

**Vu-Topper RM**

**Question No:49**

**(Marks:1)**

**Vu-Topper RM**

In 9pin DB 9 connector, which pin is assigned to RI (Ring Indicator)?

A. 3

B. 5

C. 7

**D. 9**

**Page 163**

**Question No:50**

**(Marks:1)**

**Vu-Topper RM**

Which of the following IRQs is a cascading interrupt?

A. IRQ 0

B. IRQ 1

**C. IRQ 2**

D. IRQ 3

**Page 106**

**Question No:51**

**(Marks:1)**

**Vu-Topper RM**

Which of the following pins of a parallel port connector are grounded

A. 10-15

**B. 18-25**

C. 25-32

D. 32-39

**Page 117**

**Question No:52**

**(Marks:1)**

**Vu-Topper RM**

Which of the following IRQs is used for Floppy disk derive?

A. IRQ 4

B. IRQ 5

**C. IRQ 6**

D. IRQ 7

**Page 106**

**Question No:53**

**(Marks:1)**

**Vu-Topper RM**

When two devices in the system want to use the same IRQ line then

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what will happen?

- A. An IRQ Crash
- B. An IRQ Collision
- C. An IRQ Conflict**
- D. An IRQ Blockage

**Page 106**

**Question No:54**

**(Marks:1)**

**Vu-Topper RM**

**Question No:55**

**(Marks:1)**

**Vu-Topper RM**

IRQ is referred to

- A. Eight input signals**
- B. One output signal
- C. Eight output signals
- D. One input signal

**Page 105**

**Question No:56**

**(Marks:1)**

**Vu-Topper RM**

Which of the following are required for thread entry?

- A. SS and SP
- B. CS and DS
- C. CS and IP**
- D. IP and general-purpose registers

**Page 95**

**Question No:57**

**(Marks:1)**

**Vu-Topper RM**

**Question No:58**

**(Marks:1)**

**Vu-Topper RM**

Programmable interrupt controller has two ports 20 and 21. Port 20 is the control port while port 21 is.....

- A. Input port
- B. Output port
- C. Interrupt port

**D. The Interrupt mask register**

**Page 107**

**Question No:59**

**(Marks:1)**

**Vu-Topper RM**

In 9pin DB 9 connector, which pin is assigned to CTS (Clear to Send)?

- A. 2
- B. 4
- C. 6

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Question No:60

(Marks:1)

Vu-Topper RM

Question No:61

(Marks:1)

Vu-Topper RM

Which of the following interrupts is used for Arithmetic overflow?

**A. INT 4****Page 106**

B. INT5

C. INT6

D. INT7

Question No:62

(Marks:1)

Vu-Topper RM

DOS has a single entry point through ----- just like a pin hole camera

**A. INT 21****Page 100**

B. INT22

C. INT23

D. INT24

Question No:63

(Marks:1)

Vu-Topper RM

Which of the following interrupt requests (IRQ) is the cascading interrupt connected to the output of the second 8451 in the machine?

**A. IRQ 2****Page 106**

B. IRQ 3

C. IRQ 4

D. IRQ 5

Question No:64

(Marks:1)

Vu-Topper RM

Interrupts are \_\_\_\_\_ and \_\_\_\_\_.

A. asynchronous, predictable

B. synchronous, predictable

C. synchronous, unpredictable

**D. Asynchronous, unpredictable****Page 95**

Question No:65

(Marks:1)

Vu-Topper RM

Which of the following interrupt requests (IRQ) is used by the sound

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card or network card?

**IRQ 5** **Page 106**

IRQ 6

IRQ 7

IRQ 8

**Question No:66** (Marks:1) **Vu-Topper RM**

**Question No:67** (Marks:1) **Vu-Topper RM**

Which of the following interrupt requests (IRQ) is used by the parallel port?

A. IRQ 6

**B. IRQ 7** **Page 106**

C. IRQ 8

D. IRQ 9

**Question No:68** (Marks:1) **Vu-Topper RM**

The IDTR is a \_\_\_\_\_ bit register similar in structure to the GDTR

**A. 48** **Page 174**

B. 64

C. 32

D. 128

**Question No:69** (Marks:1) **Vu-Topper RM**

**Question No:70** (Marks:1) **Vu-Topper RM**

The convention to return a value from a subroutine is to use the \_\_\_\_\_ register.

**A. AX** **Page 90**

B. DX

C. CX

D. BX

**Question No:71** (Marks:1) **Vu-Topper RM**

The clear screen operation initializes the whole block of video memory to \_\_\_\_\_.

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**A. 0x0720**

**Page 83**

B. 0x0175

C. 0x0721

D. 0x0714

**Question No:72**

**(Marks:1)**

**Vu-Topper RM**

**Question No:73**

**(Marks:1)**

**Vu-Topper RM**

**Question No:74**

**(Marks:1)**

**Vu-Topper RM**

**Question No:75**

**(Marks:1)**

**Vu-Topper RM**

The \_\_\_\_\_ and DPL have the same meaning as in data and code descriptors.

**A. P**

**Page 174**

B. A

C. S

D. D

**Question No:76**

**(Marks:1)**

**Vu-Topper RM**

**Question No:77**

**(Marks:1)**

**Vu-Topper RM**

Software interrupts are called by extended \_\_\_\_\_ call mechanism.

**A. Far**

**Page 97**

B. Jmp

C. Near

D. Short

**Question No:78**

**(Marks:1)**

**Vu-Topper RM**

**Question No:79**

**(Marks:1)**

**Vu-Topper RM**

**Question No:80**

**(Marks:1)**

**Vu-Topper RM**

**Question No:81**

**(Marks:1)**

**Vu-Topper RM**

**Question No:82**

**(Marks:1)**

**Vu-Topper RM**

**Question No:83**

**(Marks:1)**

**Vu-Topper RM**

**Question No:84**

**(Marks:1)**

**Vu-Topper RM**

In Intel 8088, there are a total of \_\_\_\_\_ possible interrupt vectors in an Interrupt Vector Table.

**A. 256**

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- B. 255
- C. 258
- D. 652

Question No:85	(Marks:1)	Vu-Topper RM
Question No:86	(Marks:1)	Vu-Topper RM
Question No:87	(Marks:1)	Vu-Topper RM
Question No:88	(Marks:1)	Vu-Topper RM
Question No:89	(Marks:1)	Vu-Topper RM
Question No:90	(Marks:1)	Vu-Topper RM
Question No:91	(Marks:1)	Vu-Topper RM
Question No:92	(Marks:1)	Vu-Topper RM
Question No:93	(Marks:1)	Vu-Topper RM

The program segment prefix for com files is of \_\_\_\_\_ size.

- A. 255 Bytes
- B. 256 Bytes**
- C. 257 Bytes
- D. 258 Bytes

Question No:94	(Marks:1)	Vu-Topper RM
Question No:95	(Marks:1)	Vu-Topper RM

REP with MOVS utilizes the \_\_\_\_\_ power of a processor to do scrolling in minimum time.

- A. Full**
- B. Half
- C. Small
- D. Quarter

Question No:96	(Marks:1)	Vu-Topper RM
Question No:97	(Marks:1)	Vu-Topper RM

\_\_\_\_\_ is a special prefix that is used to repeat the block instructions.

- A. REP**
- B. RPT
- C. REPB

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D. REPEAT

**Question No:98**

**(Marks:1)**

**Vu-Topper RM**

REPE or REPNE are used with the \_\_\_\_\_instructions

**A. SCAS**

B. ADD

C. CALL

D. MOVS

**Question No:99**

**(Marks:1)**

**Vu-Topper RM**

**Question No:100**

**(Marks:1)**

**Vu-Topper RM**

**Question No:101**

**(Marks:1)**

**Vu-Topper RM**

Which of the following pins of DB-25 connector are ground?

A. 10-17

B. 25-32

C. 2-9

**D. 18-25**

**Question No:102**

**(Marks:1)**

**Vu-Topper RM**

**Question No:103**

**(Marks:1)**

**Vu-Topper RM**

What is the purpose of the following two instructions? MOV AX, 0XB800MOV ES, AX

A. Pointing ES to audio base

**B. Pointing ES to video base**

C. Pointing ES to numeric base

D. Pointing ES to graphics base

**Question No:104**

**(Marks:1)**

**Vu-Topper RM**

Interrupts are \_\_\_\_\_ events.

A. Dependent

B. Predictable

**C. Synchronous**

D. Asynchronous

**Question No:105**

**(Marks:1)**

**Vu-Topper RM**

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**Question No:106**

**(Marks:1)**

**Vu-Topper RM**

Which of the following is the interrupt number for debug interrupt?

**A. INT 3**

B. INT 0

C. INT 1

D. INT 2

**Question No:107**

**(Marks:1)**

**Vu-Topper RM**

**Question No:108**

**(Marks:1)**

**Vu-Topper RM**

**Question No:109**

**(Marks:1)**

**Vu-Topper RM**

**Question No:110**

**(Marks:1)**

**Vu-Topper RM**

INT instruction takes a \_\_\_\_\_ byte(s) argument varying from 0-255.

A. 2

**B. 1**

C. 6

D. 4

**Question No:111**

**(Marks:1)**

**Vu-Topper RM**

**Question No:112**

**(Marks:1)**

**Vu-Topper RM**

**Question No:113**

**(Marks:1)**

**Vu-Topper RM**

**Question No:114**

**(Marks:1)**

**Vu-Topper RM**

In the context of video services, if we want to set the cursor at top left corner, which of the values will be stored in DH and DL respectively?

**A. 00, 00**

B. 00, 80

C. 25, 80

D. 01,01

**Question No:115**

**(Marks:1)**

**Vu-Topper RM**

**Question No:116**

**(Marks:1)**

**Vu-Topper RM**

**Question No:117**

**(Marks:1)**

**Vu-Topper RM**

**Question No:118**

**(Marks:1)**

**Vu-Topper RM**

**Question No:119**

**(Marks:1)**

**Vu-Topper RM**

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**Question No:120**

**(Marks:1)**

**Vu-Topper RM**

**Question No:121**

**(Marks:1)**

**Vu-Topper RM**

Changing and restoring the state of Central Processing Unit (CPU) is called \_\_\_\_\_.

A. Thrashing

**B. Multitasking**

C. Multithreading

D. Context Switching

**Question No:122**

**(Marks:1)**

**Vu-Topper RM**

**Question No:123**

**(Marks:1)**

**Vu-Topper RM**

There are \_\_\_\_\_ forms of MOVS instruction.

A. One

**B. Two**

C. Three

D. Four

**Question No:124**

**(Marks:1)**

**Vu-Topper RM**

Each entry of the interrupt vector table is of \_\_\_\_\_ byte(s).

**A. 4**

B. 2

C. 3

D. 1

**Question No:125**

**(Marks:1)**

**Vu-Topper RM**

**Question No:126**

**(Marks:1)**

**Vu-Topper RM**

The 8088 processor divides interrupts into \_\_\_\_\_ classes.

A. One

**B. Two**

C. Three

D. Four

**Question No:127**

**(Marks:1)**

**Vu-Topper RM**

Which of the following formulae is used for calculating the segment

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address of an interrupt service routine “n”?

**A.  $N*4+2$**

B.  $N*2+4$

C.  $N*4$

D.  $N*2-4$

**Question No:128**

**(Marks:1)**

**Vu-Topper RM**

Which of the following formulae calculates the desired location on the screen?

**A.  $\text{Location} = (\text{rowno} * 80 + \text{column}) * 2$**

B.  $\text{location} = (\text{rowno} * 80 + \text{columnno}) * 8$

C.  $\text{location} = (\text{colmunno} * 80 + \text{rowno}) * 2,$

D.  $\text{location} = (\text{rowno} * 80 + \text{columnno}) * 6,$

**Question No:129**

**(Marks:1)**

**Vu-Topper RM**

**Question No:130**

**(Marks:1)**

**Vu-Topper RM**

Which of the following is used to clear the direction flag?

**A. Cld**

B. Std

C. Clrd

D. Stdr

**Question No:131**

**(Marks:1)**

**Vu-Topper RM**

Which of the following is the interrupt number for nON-maskable interrupt (NMI)?

**A. INT 2**

B. INT 1

C. INT 3

D. INT 0

**Question No:132**

**(Marks:1)**

**Vu-Topper RM**

**Question No:133**

**(Marks:1)**

**Vu-Topper RM**

Which of the following flags is cleared with the help of stack?

A. Trap flag

B. Zero Flag

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C. Interrupt flag

**D. Direction flag**

**Question No:134**

**(Marks:1)**

**Vu-Topper RM**

There is an auto-increment mode when the \_\_\_\_\_ is \_\_\_\_\_.

**A. DF, set**

B. ZF, not set

C. CX, not set

D. DF, not set

**Question No:135**

**(Marks:1)**

**Vu-Topper RM**

**Question No:136**

**(Marks:1)**

**Vu-Topper RM**

To declare a character in assembly language, we store its ASCII code in a \_\_\_\_\_.

**Byte**

**Page 74**

Code

**Question No:137**

**(Marks:1)**

**Vu-Topper RM**

Which register is generally used to specify the service number of an interrupt?

**Ax Google**

Bx

**Question No:138**

**(Marks:1)**

**Vu-Topper RM**

The routine which executes as a result of INT instruction is called \_\_\_\_\_.

**Interrupt service routine**

**Page 95**

**Question No:139**

**(Marks:1)**

**Vu-Topper RM**

**Question No:140**

**(Marks:1)**

**Vu-Topper RM**

**Question No:141**

**(Marks:1)**

**Vu-Topper RM**

Scrolling is the process of moving one or more lines towards the top or bottom of the screen and this is \_\_\_\_\_.

**Cleared**

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**Question No:142** (Marks:1) **Vu-Topper RM**  
The interrupt call loads new values in CS, IP and \_\_\_\_\_.

**FLAgS** **Page 95**

**Question No:143** (Marks:1) **Vu-Topper RM**  
REP allows the instruction to be repeated \_\_\_\_\_ times.

**CX** **Page 90**

**Question No:144** (Marks:1) **Vu-Topper RM**

**Question No:145** (Marks:1) **Vu-Topper RM**

**Question No:146** (Marks:1) **Vu-Topper RM**

**Question No:147** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ register r is used for storing the base and limit of GDT.

**GDTR**

**Question No:148** (Marks:1) **Vu-Topper RM**

**Question No:149** (Marks:1) **Vu-Topper RM**

Which of the following register hold the cursor start and options for using the write string service of INT 10?

**CH**

**Question No:150** (Marks:1) **Vu-Topper RM**

Which of the following register hold the number of lines by which to scroll up for using the write string service of INT 10?

**AL**

**Question No:151** (Marks:1) **Vu-Topper RM**

**Question No:152** (Marks:1) **Vu-Topper RM**

INT 0x13 service 0x00 is used to \_\_\_\_\_.

**RESET disk system**

**Question No:153** (Marks:1) **Vu-Topper RM**

INT 0x13 service 0x02 is used to \_\_\_\_\_.

**READ sector into memory**

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Question No:154 (Marks:1)

Vu-Topper RM

INT 0x13 service 0x08 is used to \_\_\_\_\_.

**GET drive parameters**

Question No:155 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x01 is used to \_\_\_\_\_.

**READ character from standard input, with echo**

Question No:156 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x09 is used to \_\_\_\_\_.

**Write string to standard output**

Question No:157 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x0A is used to \_\_\_\_\_.

**Buffered input**

Question No:158 (Marks:1)

Vu-Topper RM

In the context of video services, if we want to scroll the window down which of the following will be the value of AH?

**AH=07h**

Question No:159 (Marks:1)

Vu-Topper RM

In the context of video services, if we want to set text-mode cursor shape which of the following will be the value of AH?

**AH=01h Page141**

Question No:160 (Marks:1)

Vu-Topper RM

Question No:161 (Marks:1)

Vu-Topper RM

Question No:162 (Marks:1)

Vu-Topper RM

Which of the following instructions is used to disable all interrupts during the execution of a program?

Sti

**Cli**

بري صحبت سے تنهائي بهتر ہے اور تنهائي سے نيك صحبت بهتر ہے

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Cld  
Reti

**Question No:163** (Marks:1) **Vu-Topper RM**  
In case of COM file, first command line parameter is stored at \_\_\_\_\_  
offset of program segment prefix?

**0x80**

**Question No:164** (Marks:1) **Vu-Topper RM**  
The execution of the instruction mov word {ES:160} 0x1230 will print  
a character on screen at the \_\_\_\_\_ column of the \_\_\_\_\_ row.

**First, second**

**Question No:165** (Marks:1) **Vu-Topper RM**  
**Question No:166** (Marks:1) **Vu-Topper RM**  
**Question No:167** (Marks:1) **Vu-Topper RM**  
Which of the following is used to set direction flag?

**Std**

**Question No:168** (Marks:1) **Vu-Topper RM**  
INT13-BIOS disk services generally use which register to return the  
error flag?

**CF**

**Question No:169** (Marks:1) **Vu-Topper RM**  
**Question No:170** (Marks:1) **Vu-Topper RM**  
**Question No:171** (Marks:1) **Vu-Topper RM**  
After the execution of STOSB and STOSW the CX register will be  
\_\_\_\_\_ by \_\_\_\_\_.

**Decrementd by 1**

بري صحبت سے تنهائي بهتر ہے اور تنهائي سے نيك صحبت بهتر ہے

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