

CS-401 Assembly Language Update MCQS For Final Term Solve By Vu Topper RM

85% To 100% Marks



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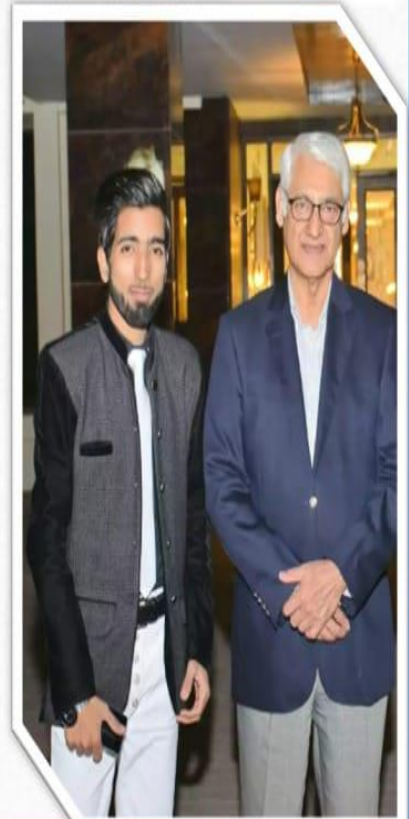
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Question No:1

(Marks:1)

Vu-Topper RM

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

Page 133

Question No:2

(Marks:1)

Vu-Topper RM

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

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

Page 107

Question No:3

(Marks:1)

Vu-Topper RM

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

Question No:4

(Marks:1)

Vu-Topper RM

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

Page 106

Question No:5

(Marks:1)

Vu-Topper RM

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

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

Question No:6 (Marks:1) **Vu-Topper RM**

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

Question No:7 (Marks:1) **Vu-Topper RM**

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

Question No:8 (Marks:1) **Vu-Topper RM**

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

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

Question No:9 (Marks:1) **Vu-Topper RM**

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

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Question No:10

(Marks:1)

Vu-Topper RM

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

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

Page 104

Question No:11

(Marks:1)

Vu-Topper RM

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

- A. 1.193MZH**
- B. 2.192MHZ
- C. 3.196MHZ
- D. 4.198MHZ

Page 122

Question No:12

(Marks:1)

Vu-Topper RM

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

- A. Ret
- B. Iret**
- C. Reti
- D. Intr

Page 96

Question No:13

(Marks:1)

Vu-Topper RM

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

- A. INT 08
- B. INT 15
- C. INT 16
- D. INT 17**

Question No:14

(Marks:1)

Vu-Topper RM

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

- A. Trap flag

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B. Carry flag

Page 125

- C. Direction flag
- D. Interrupt flag

Question No:15

(Marks:1)

Vu-Topper RM

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

Question No:16

(Marks:1)

Vu-Topper RM

Which of the following is BIOS interrupt providing keyboard services?

A. INT 0x16

- B. INT 0x15
- C. INT 0x13
- D. INT 0x14

Question No:17

(Marks:1)

Vu-Topper RM

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

Question No:18

(Marks:1)

Vu-Topper RM

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

- A. n
- B. nx2
- C. nx4**
- D. nx3

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Question No:19

(Marks:1)

Vu-Topper RM

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

A. 55ms

Page 114

B. 45ms

C. 40ms

D. 50ms

Question No:20

(Marks:1)

Vu-Topper RM

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

Question No:21

(Marks:1)

Vu-Topper RM

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

Question No:22

(Marks:1)

Vu-Topper RM

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

A. In

B. Add

C. Mov

Page 107

D. DEC

Question No:23

(Marks:1)

Vu-Topper RM

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

A. INT 21

Page 100

B. INT 16

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- C. INT 10
- D. INT 2

Question No:24 (Marks:1) **Vu-Topper RM**

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

Question No:25 (Marks:1) **Vu-Topper RM**

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

A. IRQ 0

Page 106

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

Question No:26 (Marks:1) **Vu-Topper RM**

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

A. 10

Page 117

- B. 11
- C. 12
- D. 13

Question No:27 (Marks:1) **Vu-Topper RM**

Which of the following interrupts is of highest priority?

- A. INT 2
- B. INT 3

C. Timer interrupt

Page 122

D. Key board interrupt

Question No:28 (Marks:1) **Vu-Topper RM**

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

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A. AL or AX

Page 107

B. BL or BX

C. CL or CX

D. DL or DX

Question No:29

(Marks:1)

Vu-Topper RM

IBM AT has _____ Programmable Interrupt Controllers (PIC).

A. 2

Page 104

B. 4

C. 6

D. 8

Question No:30

(Marks:1)

Vu-Topper RM

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

A. Processor

B. Interrupt request

C. Interrupt handler

D. Programmable interrupt controller

Question No:31

(Marks:1)

Vu-Topper RM

Programmable interrupt controller has _____ ports.

A. 2

Page 107

B. 1

C. 3

D. 4

Question No:32

(Marks:1)

Vu-Topper RM

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

Page 114

D. It depends on hardware attached

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Question No:33

(Marks:1)

Vu-Topper RM

_____ is used for exporting keyboard services.

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

Question No:34

(Marks:1)

Vu-Topper RM

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

Question No:35

(Marks:1)

Vu-Topper RM

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

Question No:36

(Marks:1)

Vu-Topper RM

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

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

Question No:37

(Marks:1)

Vu-Topper RM

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

- A. EOL**
- B. IOE

Page 106

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- C. IRET
- D. RET n

Question No:38 (Marks:1)

Vu-Topper RM

A parallel port has _____ views.

- A. 2** Page 116
- B. 4
- C. 8
- D. 1

Question No:39 (Marks:1)

Vu-Topper RM

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

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

Question No:40 (Marks:1)

Vu-Topper RM

_____ 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

Question No:41 (Marks:1)

Vu-Topper RM

_____ is used in debugging along with the trap flag.

- A. INT 1** Page 97
- B. INT 0
- C. INT 3
- D. INT 4

Question No:42 (Marks:1)

Vu-Topper RM

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

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A. Trap

Page 97

B. Carry

C. Parity

D. Overflow

Question No:43

(Marks:1)

Vu-Topper RM

Which of the following is the highest priority interrupt

A. INT 03

B. INT 02

C. INT 01

D. INT 08

Page 106

Question No:44

(Marks:1)

Vu-Topper RM

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

Question No:45

(Marks:1)

Vu-Topper RM

The parallel port connector is called _____.

A. DB-25

Page 117

B. BD-25

C. DB-24

D. BD-24

Question No:46

(Marks:1)

Vu-Topper RM

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

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Question No:47

(Marks:1)

Vu-Topper RM

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

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

Question No:48

(Marks:1)

Vu-Topper RM

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

Page 107

Question No:49

(Marks:1)

Vu-Topper RM

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

Question No:50

(Marks:1)

Vu-Topper RM

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

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Question No:51

(Marks:1)

Vu-Topper RM

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

Question No:52

(Marks:1)

Vu-Topper RM

The first parallel port LPT1 has ports designated from _____ to _____.

A. 378,37A

Page 117

B. 178, 17A

C. 278, 27A

D. 478, 47A

Question No:53

(Marks:1)

Vu-Topper RM

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**

Question No:54

(Marks:1)

Vu-Topper RM

The maximum length of DOS command line parameters is

A. 64 bits

B. 127 bits

C. 256 bits

D. 512 bits

Question No:55

(Marks:1)

Vu-Topper RM

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

A. 0x80

B. 0x82

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- C. 0x84
- D. 0x86

Question No:56

(Marks:1)

Vu-Topper RM

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

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

Page 163

Question No:57

(Marks:1)

Vu-Topper RM

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

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

Question No:58

(Marks:1)

Vu-Topper RM

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

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

Question No:59

(Marks:1)

Vu-Topper RM

As compared to _____ , _____ provides more cooked services.

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

Page 153

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Question No:60

(Marks:1)

Vu-Topper RM

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

Question No:61

(Marks:1)

Vu-Topper RM

iret returns on the basis of _____ and _____.

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

Question No:62

(Marks:1)

Vu-Topper RM

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

- A. AX**
- B. CX
- C. BX
- D. DX

Question No:63

(Marks:1)

Vu-Topper RM

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

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

Page 163

Question No:64

(Marks:1)

Vu-Topper RM

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

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

Page 133

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D. INT 13

Question No:65

(Marks:1)

Vu-Topper RM

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

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

Question No:66

(Marks:1)

Vu-Topper RM

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

Question No:67

(Marks:1)

Vu-Topper RM

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

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

Question No:68

(Marks:1)

Vu-Topper RM

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**

Question No:69

(Marks:1)

Vu-Topper RM

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

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

Page 148

Question No:70

(Marks:1)

Vu-Topper RM

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

Question No:71

(Marks:1)

Vu-Topper RM

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

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

Page 147

Question No:72

(Marks:1)

Vu-Topper RM

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

Question No:73

(Marks:1)

Vu-Topper RM

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

- A. 1129h
- B. 1130h**

Page 142

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- C. 1128h
- D. 1127h

Question No:74

(Marks:1)

Vu-Topper RM

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**
- C. AH = 03h
- D. AH = 04h

Page 141

Question No:75

(Marks:1)

Vu-Topper RM

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

- A. 64 bytes
- B. 128 bytes
- C. 256 bytes**
- D. 512 bytes

Question No:76

(Marks:1)

Vu-Topper RM

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**
- D. AX, CX

Google

Question No:77

(Marks:1)

Vu-Topper RM

The register size of 386 architecture is _____.

- A. 4 GB
- B. 16 bit
- C. 32 bit**
- D. 20 bit

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Question No:78

(Marks:1)

Vu-Topper RM

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

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

Page 168

Question No:79

(Marks:1)

Vu-Topper RM

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

Question No:80

(Marks:1)

Vu-Topper RM

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

Question No:81

(Marks:1)

Vu-Topper RM

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

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

D. Second

Page 152

Question No:82

(Marks:1)

Vu-Topper RM

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

A. 512 bytes

Google

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- B. 446 bytes
- C. 256 bytes
- D. 350 bytes

Question No:83

(Marks:1)

Vu-Topper RM

Serial port services are provided by the _____.

- A. RS232
- B. BIOS INT 11
- C. BIOS INT 13
- D. BIOS INT 14**

Page 166

Question No:84

(Marks:1)

Vu-Topper RM

Which of the following BIOS INT provides serial port services

- A. INT 21
- B. INT 14**
- C. INT 10
- D. INT 08

Page 163

Question No:85

(Marks:1)

Vu-Topper RM

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

- A. CS:BX
- B. DS:DX**
- C. DS:AX
- D. SS:SP

Page 144

Question No:86

(Marks:1)

Vu-Topper RM

BIOS video services are broadly classified into _____ categories.

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

Page 141

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Question No:87

(Marks:1)

Vu-Topper RM

COM1 is accessible via ports _____ while COM2 is accessible via_____.

A. 3F9, 3FD

B. 3FD, 3F9

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

Page 164

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

Question No:88

(Marks:1)

Vu-Topper RM

The first sector on hard disk contains the

A. Data size

B. Hard disk size

C. Partition table

D. Sector size

Page 159

Question No:89

(Marks:1)

Vu-Topper RM

In multitasking environment, which of the following structure is used to maintain the order of active Process Control Blocks (PCB)?

A. Array

B. Stack

C. Register

D. Linked List

Page 133

Question No:90

(Marks:1)

Vu-Topper RM

The root directory of floppy contains _____ fixed entries.

A. 64

B. 256

C. 128

D. 512

Page 147

Question No:91

(Marks:1)

Vu-Topper RM

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

A. IRQ 0

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

Question No:92

(Marks:1)

Vu-Topper RM

BIOS video services are exported via interrupt

A. INT10 **Page 141**

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

Question No:93

(Marks:1)

Vu-Topper RM

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

Page 141

Question No:94

(Marks:1)

Vu-Topper RM

INT 0x13 service 0x03 is used to _____.

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

Page 124

Question No:95

(Marks:1)

Vu-Topper RM

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

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

Page 154

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Question No:96

(Marks:1)

Vu-Topper RM

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

Question No:97

(Marks:1)

Vu-Topper RM

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

Question No:98

(Marks:1)

Vu-Topper RM

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

A. COM1

B. RS232

Google

C. Full duplex

D. BIOS INT 14

Question No:99

(Marks:1)

Vu-Topper RM

Device drivers can be divided into ____ major categories:

A. 5

B. 4

C. 3

D. 2

Page 158

Question No:100

(Marks:1)

Vu-Topper RM

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

A. 00h

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B. 02h

C. 09h

Page 144

D. 10h

Question No:101

(Marks:1)

Vu-Topper RM

BPB stands for

A. Bios Precise Block

B. Basic Precise Block

C. Bios Parameter Block

Google

D. Basic Parameter Block

Question No:102

(Marks:1)

Vu-Topper RM

The INT 0x13 service 0x08 is use to

A. Read disk sector

B. Write disk sector

Page 124

C. Reset disk sector

D. Get drive parameter

Question No:103

(Marks:1)

Vu-Topper RM

COM2 is connected with

A. IRQ2

B. IRQ3

Page 106

C. IRQ4

D. IRQ5

Question No:104

(Marks:1)

Vu-Topper RM

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

A. CF

B. DL

C. AH

Page 148

D. AL

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Question No:105

(Marks:1)

Vu-Topper RM

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

A. LDT

B. GDTR

C. LGTD

D. Null descriptor

Question No:106

(Marks:1)

Vu-Topper RM

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)

Vu-Topper RM

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

A. Page 163

B. 2

C. 3

D. 4

Question No:107

(Marks:1)

Vu-Topper RM

REPE repeats a string instruction while the _____ flag is set.

A. Zero

Page 85

B. Carry

C. Parity

D. Direction

Question No:108

(Marks:1)

Vu-Topper RM

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

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- C. IRQ 2
- D. IRQ 3

Question No:109 (Marks:1) **Vu-Topper RM**

Push and pop operations always operate on _____.

A. Words **Page 80**

- B. Byte
- C. Float
- D. Integer

Question No:110 (Marks:1) **Vu-Topper RM**

_____ is the highest priority interrupt in interrupt controller.

A. IRQ 0 **Page 106**

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

Question No:111 (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:112 (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:113 (Marks:1) **Vu-Topper RM**

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

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- A. 1
- B. 3
- C. 5**
- D. 7

Page 163

Question No:114 (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:115 (Marks:1) **Vu-Topper RM**

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

- A. 6**
- B. 8
- C. 2
- D. 4

Page 163

Question No:116 (Marks:1) **Vu-Topper RM**

COM1 is connected with

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

Page 106

Question No:117 (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

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Question No:118

(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:119

(Marks:1)

Vu-Topper RM

Each thread can have their own execution area

- A. List
- B. Array

C. Stack

Page 141

D. Memory

Question No:120

(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:121

(Marks:1)

Vu-Topper RM

TSR stands for:

- A. Terminate and Store Routines
- B. Transmits and Save Resources
- C. **Terminate and Stay Resident**
- D. Truncate and Start Recursively

Page 113

Question No:122

(Marks:1)

Vu-Topper RM

Which of the following IRQs is derived by a keyboard?

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

Page 114

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D. IRQ 3

Question No:123

(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:124

(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

C. Eight input signals and one output signals

Page 105

D. Eight input signals and eight output signals

Question No:125

(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:126

(Marks:1)

Vu-Topper RM

Which of the following IRQs is a cascading interrupt?

A. IRQ 0

B. IRQ 1

C. IRQ 2

Page 106

D. IRQ 3

Question No:127

(Marks:1)

Vu-Topper RM

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

A. 10-15

B. 18-25

Page 117

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- C. 25-32
- D. 32-39

Question No:128 (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:129 (Marks:1) **Vu-Topper RM**

When two devices in the system want to use the same IRQ line then what will happen?

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

Page 106

Question No:130 (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:131 (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:132 (Marks:1) **Vu-Topper RM**

Programmable interrupt controller has two ports 20 and 21. Port 20 is

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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:133

(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
- D. 8**

Page 163

Question No:134

(Marks:1)

Vu-Topper RM

Which of the following interrupts is used for Arithmetic overflow?

- A. INT 4**
- B. INT5
- C. INT6
- D. INT7

Page 106

Question No:135

(Marks:1)

Vu-Topper RM

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

- A. INT 21**
- B. INT22
- C. INT23
- D. INT24

Page 100

Question No:136

(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**
- B. IRQ 3
- C. IRQ 4
- D. IRQ 5

Page 106

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Question No:137

(Marks:1)

Vu-Topper RM

Interrupts are _____ and _____.

- A. asynchronous, predictable
- B. synchronous, predictable
- C. synchronous, unpredictable

D. Asynchronous, unpredictable

Page 95

Question No:138

(Marks:1)

Vu-Topper RM

Which of the following interrupt requests (IRQ) is used by the sound card or network card?

A. IRQ 5

Page 106

- B. IRQ 6
- C. IRQ 7
- D. IRQ 8

Question No:139

(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:140

(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:141

(Marks:1)

Vu-Topper RM

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

A. AX

Page 90

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- B. DX
- C. CX
- D. BX

Question No:142 (Marks:1) **Vu-Topper RM**

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

- A. 0x0720**
- B. 0x0175
- C. 0x0721
- D. 0x0714

Page 83

Question No:143 (Marks:1) **Vu-Topper RM**

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

- A. P**
- B. A
- C. S
- D. D

Page 174

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

Software interrupts are called by extended _____ call mechanism.

- A. Far**
- B. Jmp
- C. Near
- D. Short

Page 97

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

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

- A. 256**
- B. 255
- C. 258
- D. 652

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Question No:146

(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:147

(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:148

(Marks:1)

Vu-Topper RM

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

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

Question No:149

(Marks:1)

Vu-Topper RM

REPE or REPNE are used with the _____ instructions

- A. SCAS**
- B. ADD
- C. CALL
- D. MOVS

Question No:150

(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

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D. 18-25

Question No:151

(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:152

(Marks:1)

Vu-Topper RM

Interrupts are _____ events.

- A. Dependent
- B. Predictable
- C. Synchronous
- D. Asynchronous**

Question No:153

(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:154

(Marks:1)

Vu-Topper RM

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

- A. 2
- B. 1**
- C. 6
- D. 4

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Question No:155

(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:156

(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:157

(Marks:1)

Vu-Topper RM

There are _____ forms of MOVS instruction.

A. One

B. Two

C. Three

D. Four

Question No:158

(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:159

(Marks:1)

Vu-Topper RM

The 8088 processor divides interrupts into _____ classes.

A. One

B. Two

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- C. Three
- D. Four

Question No:160 (Marks:1) **Vu-Topper RM**

Which of the following formulae is used for calculating the segment address of an interrupt service routine “n”?

- A. $N*4+2$**
- B. $N*2+4$
- C. $N*4$
- D. $N*2-4$

Question No:161 (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:162 (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:163 (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

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Question No:164

(Marks:1)

Vu-Topper RM

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

- A. Trap flag
- B. Zero Flag
- C. Interrupt flag
- D. Direction flag**

Question No:165

(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:166

(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:167

(Marks:1)

Vu-Topper RM

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

Ax **Google**
Bx

Question No:168

(Marks:1)

Vu-Topper RM

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

Interrupt service routine **Page 95**

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Question No:169

(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

Page 90

Question No:170

(Marks:1)

Vu-Topper RM

The interrupt call loads new values in CS, IP and _____.

FLAgS

Page 95

Question No:171

(Marks:1)

Vu-Topper RM

REP allows the instruction to be repeated _____ times.

CX

Page 90

Question No:172

(Marks:1)

Vu-Topper RM

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

GDTR

Question No:173

(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:174

(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:175

(Marks:1)

Vu-Topper RM

INT 0x13 service 0x00 is used to _____.

RESET disk system

Question No:176

(Marks:1)

Vu-Topper RM

INT 0x13 service 0x02 is used to _____.

READ sector into memory

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Question No:177 (Marks:1)

Vu-Topper RM

INT 0x13 service 0x08 is used to _____.

GET drive parameters

Question No:178 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x01 is used to _____.

READ character from standard input, with echo

Question No:179 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x09 is used to _____.

Write string to standard output

Question No:180 (Marks:1)

Vu-Topper RM

INT 0x21 service 0x0A is used to _____.

Buffered input

Question No:181 (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:182 (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:183 (Marks:1)

Vu-Topper RM

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

- A. Sti
- B. Cli**
- C. Cld
- D. Reti

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Question No:184 (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:185 (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:186 (Marks:1) **Vu-Topper RM**
Which of the following is used to set direction flag?

Std

Question No:187 (Marks:1) **Vu-Topper RM**
INT13-BIOS disk services generally use which register to return the error
flag?

CF

Question No:188 (Marks:1) **Vu-Topper RM**
After the execution of `STOSB` and `STOSW` the `CX` register will be
_____ by _____.

Decrement by 1

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