

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!



Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

If a rotate through carry right (RCR) instruction is applied on a 16 bit word, effectively there is

Answer (Please select your correct option)

☐ 16-bits rotation

☐ 1-bit rotation

☐ 17-bits rotation

☐ 8-bits rotation

correct

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

The near CALL instruction

Answer (Please select your correct option)

- ☐ push only segment on the stack
- ☐ push only offset on the stack
- ☒ push both segment and offset on the stack
- ☐ do not push any thing

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

If $AX=5$, $BX=5$, CF and ZF are set, AF and DX contains zero then after the execution of instruction "ADC AX, BX", AX will contain the value:

Answer (Please select your correct option)

☐ 5

☐ 10

☒ 11

☐ 12

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

For the execution of the instruction "DIV BL", the implied dividend will be stored in

Answer (Please select your correct option)

☐ AX

correct

☐ BX

☐ CX

☐ DX

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

MS DOS uses ____ display mode.

Answer (Please select your correct option)

☐ Character based

correct

☐ Graphics based

☐ Numeric based

☐ Console based

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

The execution of the instruction "mov word [ES : 160], 0x1230" will print character "0" on the screen , the color of the character "0" will be

Answer (Please select your correct option)

☐ White

☐ Red

☐ Green

☐ Blue

correct

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

In the primitive form, the block processing instructions operate on _____ of memory at one time.

Answer (Please select your correct option)

☐ Whole block

☐ A single cell

correct

☐ A single bit

☐ Whole segment

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

In STOSB instruction, SI is decremented or incremented by

Answer (Please select your correct option)

☐ 3

☐ 2

correct

☐ 1

☐ 4

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

CMPS instruction subtracts the source location to the destination location. Destination location always lies in

Answer (Please select your correct option)

DS:SI

☐

DS:DI

☐

ES:SI

☐

ES:DI

☒

correct

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Question No : 10 of 25

Marks: 1 (Budgeted Time 1 Min)

If BL contains 00000101 then after a Single Right Shift, BL will contain

Answer (Please select your correct option)

☐ 00000011

☐ 00000010

correct

☐ 10000011

☐ 10000010

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Question No : 11 of 25

Marks: 1 (Budgeted Time 1 Min)

Each screen location corresponds to _____ in a video memory.

Answer (Please select your correct option)

☐ One Byte

☐ Two Bytes

☐ Four Bytes

☐ Eight Bytes

correct

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

ASCII Stands for _____

Answer (Please select your correct option)

☐ American Standard Code for Information Interchange

correct

☐ American Scientific Code for International Interchange

☐ American Standard Code for Intelligence Interchange

☐ American Scientific Code for Information Interchange

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

What is the ASCII code for 'A'?

Answer (Please select your correct option)

☐ 0x41

☐ correct

☐ 0x40

☐ 0x31

☐ 0x30

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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

386 processor is _____ compatible with iAPX88

Answer (Please select your correct option)

☐ Upward

☐ Downward

correct

☐ Cross

☐ Not

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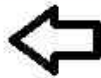
Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

If AL contains -15 then what will be the decimal value of AL after "SAR AL, 1" is executed

Answer (Please select your correct option)

☒ -7



correct

☐ 7

☐ -8

☐ 8

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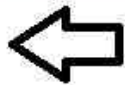
Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

Inside the computer signed numbers are represented in _____ complement notation.

Answer (Please select your correct option)

☐ two's



correct

☐ one's

☐ zero's

☐ fractional

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Question No : 17 of 25

Marks: 1 (Budgeted Time 1 Min)

The _____ flag plays the role of borrow during the subtraction operation.

Answer (Please select your correct option)

☐ carry



correct

☐

☐ parity

☐

☐ sign

☐

☐ zero

☐

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

The foreground and background color parameters are set by

Answer (Please select your correct option)

☐ 32 bits

☐ 16 bits

☐ 8 bits

☐ 4 bits

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

Which bit of the Attribute Byte (counting from right to left, starting from 0) represents the GREEN component of background color ?

Answer (Please select your correct option)

☐ 6

☐ 3

☐ 4

☒ 5

correct

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

In string manipulation whenever an instruction needs a memory source, which of the following will hold the pointer to it?

Answer (Please select your correct option)

☐ ES: DI



correct

☐ ES: BP

☐ DS: BP

☐ DS: SI

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

Why BP (Base Pointer) default segment is SS (Stack Segment)?

Answer ([Please click here to Add Answer](#))



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Write a single instruction that can be used as an alternative of the following two instructions?

```
DEC CX  
JNZ NextChar
```

Answer ([Please click here to Add Answer](#))



BOOK

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

What are the instructions use by the Assembly language for Permanent diversion and temporarily diversion?

Answer (Please [click here to Add Answer](#))



BOOK

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

Which interrupts are generated as a result of

1. Dividing a number by zero
2. If the trap flag is set

Answer ([Please click here to Add Answer](#))



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

What is Divide Overflow Error? Complete the following code such that it will cause Divide Overflow Error.

```
mov BL, ____  
mov AX, ____  
DIV BL
```

Answer ([Please click here to Add Answer](#))



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Write an assembly language program that clears the computer screen.

Answer ([Please click here to Add Answer](#))



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