

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)

ASCII stands for

Answer (Please select your correct option)

☐ American Standard Code for Information Interchange

corect

☐ American Standard Code for Internet Information

☐ American Standard Code for Interchanging Information

☐ All Standard Codes for Information Interchange

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

The extended ASCII has

Answer (Please select your correct option)

☐ 64 characters

☐ 128 characters

☐ 256 characters

☐ 502 characters

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

To reserve 8-bits in memory ____ directive is used.

Answer (Please select your correct option)

☐ db

correct

☐ dw

☐ dn

☐ dd

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

When the RET instruction is executed, it recovers the value of instruction pointer from the

Answer (Please select your correct option)

☐ Register

☒ Stack

☐ Data segment

☐ Code segment

correct

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

The execution of the instruction "mov word [ES : DI], 0x0720"

Answer (Please select your correct option)

- ☐ will clear next character on screen
- ☐ will print "20" at top left of the screen
- ☐ will print "20" on top right of the screen
- ☐ will move DI at location 0720 on the screen

correct

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

which bit sets the character "blinking" on the screen?

\

Answer (Please select your correct option)

5

☐

6

☐

7

☒

8

☐

correct

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

To transfer control back, the RET instruction takes

Answer (Please select your correct option)

☐ 2 arguments

☐ 3 arguments

☐ 4 arguments

☐ No arguments

correct

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

When a very large number is divided by very small number so that the quotient is larger than the space provided then

Answer (Please select your correct option)

- ☐ Quotient will take an extra byte to be stored
- ☐ Quotient will not be stored anywhere and instruction will be skipped
- ☐ An interrupt will be generated and the program will be terminated
- ☐ Quotient will be divided again until it fits the space provided

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

Each screen location corresponds to a word, the lower byte of this word contains ____

Answer (Please select your correct option)

☐ The character code

correct

☐ The attribute byte

☐ The parameters

☐ The dimensions

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Question No : 10 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 : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

In A4FB:4872 Segment:offset pair the physical address is (both segment and offset are in hexadecimal):

Answer (Please select your correct option)

☐ A4FB0

☐ 04872

☐ A9822

☐ A4872

correct

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following flags will be affected by MOVSB?

Answer (Please select your correct option)

☐ DF

☐ ZF

☐ PF

☐ No effect on flags

correct

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

When the operand of DIV instruction is of 16 bits then implied dividend will be stored in _____

Answer (Please select your correct option)

☐ The concatenation of DS and BX

☒ AX register

correct

☐ The concatenation of ES and AX

☐ The concatenation of DX and AX

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Question No : 14 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 Background color will be

Answer (Please select your correct option)

☐ Black

☐ Red

☐ Green

☐ Blue

correct

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

When a 16 bit number is divided by 8 bit number, the quotient will be stored in

Answer (Please select your correct option)

☐ AX

☐ AL

☐ AH

☐ DX

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

The bits of the _____ work independently and individually.

Answer (Please select your correct option)

☐ Index register

☐ Base register

☐ Flags register

☐ Accumulator register

correct

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

All possible types of Jumps in assembly language are:

Answer (Please select your correct option)

☐ short, far

☐ short, near

☐ short, near, far

☐ short, near, far, long

correct

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

The first possible segment base value is _____.

Answer (Please select your correct option)

☐ 0000

correct

☐ 0001

☐ 0010

☐ 0100

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

Code Segment is associated to _____ register by default.

Answer (Please select your correct option)

☐ IP

correct

☐ SS

☐ BP

☐ CX

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Question No : 20 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 foreground color?

Answer (Please select your correct option)

☐ 1

☐ 2

☐ 3

☐ 4

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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)

BOOK

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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

"Interrupts are asynchronous" What does it mean?

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



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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

What are the results after performing the following instructions, where $ax = 00110011$ and $bx = 00010001$

1. and ax,bx
2. or ax,bx
3. xor ax,bx

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



BOOK

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

What is the working of Screen Scrolling program and write the name of the most important instruction used in that program?

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Write an assembly language program that display Zero (0) on the whole DOS screen.

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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- 3) GDB
- 4) GRAND QUIZZES

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