VIRTUAL UNIVERSITY OF PAKISTAN

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TEAM HADI(VU LAHORE)

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MID TERM PAST PAPER

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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!

PAST PAPER

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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
- 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

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- 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

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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

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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

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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

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- 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

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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

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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

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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
- 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

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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

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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

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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
- 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)

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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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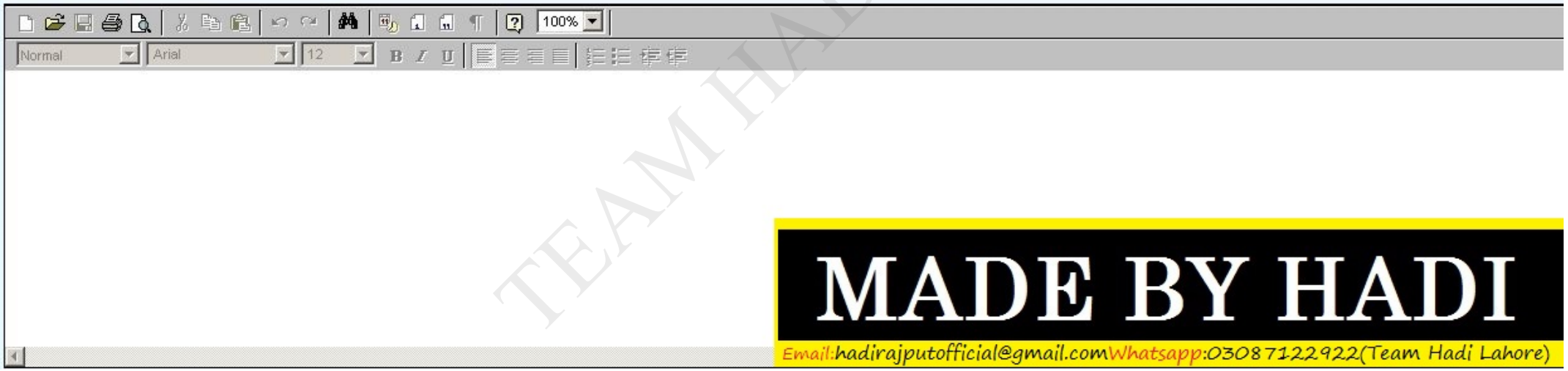
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Question No : 24 of 26 Marks: 3 (Budgeted Time 6 Min)

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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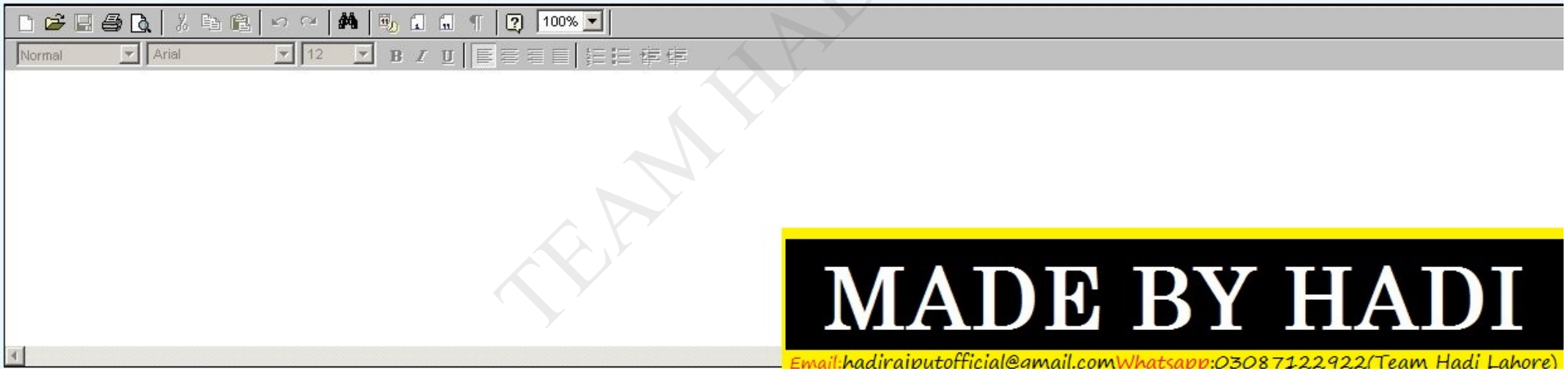
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Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

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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