

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

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TEAM HADI(VU LAHORE)

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!



Question # 5 of 30 (Start time: 09:22:48 PM, 27 December 2020)

Total Marks: 1

_____ transfers the word at top of stack (pointed to by SP) to the destination operand and increments SP by two to point to the new top of stack.

Select the correct option

☐	PUSH	
☒	POP	
☐	CALL	
☐	RET n	

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Question # 30 of 30 (Start time: 09:45:38 PM, 27 December 2020)

Total Marks: 1

cli stands for?

Select the correct option

☒	clear the interrupt flag	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922	
☐	clock interrupt		
☐	cross line instruction		
☐	control line instruction		

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Question # 22 of 30 (Start time: 10:30:44 PM, 27 December 2020)

Total Marks: 1

There are _____ registers in iAPX88 architecture that can hold address of data.

Select the correct option

☐	1
☐	2
☐	3
☒	4

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Question # 21 of 30 (Start time: 09:38:13 PM, 27 December 2020)

Total Marks: 1

This jump is taken if the last arithmetic operation has produced a positive number in its destination.

Select the correct option

☐	JNP
☒	JO
☐	JNS
☐	JG

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Question # 2 of 30 (Start time: 10:16:25 PM, 27 December 2020)

Total Marks: 1

The instruction for permanent diversion in Intel 8088 is _____.

Select the correct option

☐	call	
☐	ret	
☒	jump	
☐	mov	

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Question # 24 of 30 (Start time: 10:31:56 PM, 27 December 2020)

Total Marks: 1

Whenever we need access to a memory location whose address is not known until run-time we use _____.

Select the correct option

☐	Destination Register	
☐	Counter Register	
☐	Accumulator Register	
☒	Index Register	

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Question # 20 of 30 (Start time: 10:30:11 PM, 27 December 2020)

Total Marks: 1

iAPX88 Architecture consists of

Select the correct option

☐	10 Registers	
☒	14 Registers	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	16 Registers	
☐	32 Registers	

Question # 23 of 30 (Start time: 09:40:27 PM, 27 December 2020)

Total Marks: 1

Flags register is a special register in every architecture. It is also known as _____

Select the correct option

☐	Carry Flag	
☒	accumulator register	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922
☐	Program Status Word	
☐	special register	

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Question # 3 of 30 (Start time: 10:17:47 PM, 27 December 2020)

Total Marks: 1

Stack is a data structure that behaves in a first in last _____ manner.

Select the correct option

☐	In	
☒	Out	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL-03087122922
☐	Push	
☐	Add	

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Question # 28 of 30 (Start time: 10:34:34 PM, 27 December 2020)

Total Marks: 1

All mathematical and logical operations are performed on the _____.

Select the correct option

☒	Accumulator	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL-03087122922	✓
☐	Arithmetic Logic Unit		✓
☐	Program Counter		
☐	Flags Register		

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Question # 6 of 30 (Start time: 10:19:57 PM, 27 December 2020)

Total Marks: 1

In a video memory, each screen location corresponds to _____ byte(s).

Select the correct option

☒	one
☐	two
☐	four
☐	eight

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Question # 10 of 30 (Start time: 10:23:17 PM, 27 December 2020)

Total Marks: 1

Stack is:

Select the correct option

☐	an algorithm	
☒	a data structure	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL:hadirajputofficial@gmail.com WHATSAPP& CALL:03087122922
☐	both algorithm and data structure	
☐	a procedure	

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Question # 17 of 30 (Start time: 10:26:59 PM, 27 December 2020)

Total Marks: 1

Interrupts are _____ and _____.

Select the correct option

☒	asynchronous, unpredictable	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922
☐	synchronous, predictable	
☐	synchronous, unpredictable	
☐	asynchronous, predictable	

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Question # 8 of 30 (Start time: 09:25:47 PM, 27 December 2020)

Total Marks: 1

_____ is used for temporary diversion.

Select the correct option

☒	Call
☐	Jump
☐	Short jump
☐	Return

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Question # 18 of 30 (Start time: 10:27:55 PM, 27 December 2020)

Total Marks: 1

In assembly language, the first executable instruction of the code should be placed at offset _____.

Select the correct option

☒	0000	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922
☐	0100	
☐	0010	
☐	1100	

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Question # 27 of 30 (Start time: 09:43:48 PM, 27 December 2020)

Total Marks: 1

When the relative address stored with the instruction is in 16-bits, the jump is called a _____ jump.

Select the correct option

☒	Near	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922	//
☐	Short		//
☐	Far		
☐	Long		

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Question # 17 of 30 (Start time: 09:34:30 PM, 27 December 2020)

Total Marks: 1

REPE and REPNE prefixes are only meaningful with _____.

Select the correct option

☐	MOV
☐	LODS
☒	CMPS
☐	STOS

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Question # 12 of 30 (Start time: 09:30:37 PM, 27 December 2020)

Total Marks: 1

Which combination will you prefer to obtain the physical address of the stack?

Select the correct option

☐	SS:SI	
☒	SS:SP	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP & CALL: 03087122922
☐	SP:DI	
☐	SP:SI	

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Question # 13 of 30 (Start time: 09:31:39 PM, 27 December 2020)

Total Marks: 1

In a video memory, each screen location corresponds to _____ byte(s).

Select the correct option

☐	one
☒	two
☐	four
☐	eight

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Question # 23 of 30 (Start time: 10:31:31 PM, 27 December 2020)

Total Marks: 1

Which of the following string instruction is generally used in a loop instead of REP prefix?

Select the correct option

☐	SCAS	
☒	LODS	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922
☐	CMPS	
☐	STOS	

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Question # 15 of 30 (Start time: 10:26:00 PM, 27 December 2020)

Total Marks: 1

Which of the following are the two variants of STOS instruction?

Select the correct option

☒	STOSB and STOSW
☐	STOS and STOSes
☐	STOS1 and STOS2
☐	STOSA and STOSB

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Question # 15 of 30 (Start time: 09:32:44 PM, 27 December 2020)

Total Marks: 1

Program consists of _____ logical parts.

Select the correct option

☒	Two
☐	Three
☐	One
☐	Four

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Question # 1 of 30 (Start time: 10:15:39 PM, 27 December 2020)

Total Marks: 1

When the RET instruction is executed, it recovers the value of the _____ from the stack.

Select the correct option

☐	Current instruction	
☐	Previous instruction	
☐	Accumulator register	
☒	Instruction pointer	

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Question # 11 of 30 (Start time: 09:29:13 PM, 27 December 2020)

Total Marks: 1

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

Select the correct option

☐	0x0721	
☐	0x0714	
☒	0x0720	
☐	0x0175	

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Question # 24 of 30 (Start time: 09:41:26 PM, 27 December 2020)

Total Marks: 1

MUL instruction performs an unsigned multiplication of the source operand and the _____

Select the correct option

☒	accumulator	A Good Education is a Foundation For a Better Future CORRECT ANSWER SOLVED BY HADI EMAIL: hadirajputofficial@gmail.com WHATSAPP& CALL: 03087122922	
☐	carry		
☐	word at ES:DI		
☐	base		

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Question # 7 of 30 (Start time: 09:24:57 PM, 27 December 2020)

Total Marks: 1

When an element is pushed on the stack, SP is decremented by _____.

Select the correct option

☐	3	
☐	2	
☐	4	
☒	1	

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