

Question 3

Not yet answered

Marked out of  
1.25

Flag question

Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- ☐ a. 256
- ☐ b. 127
- ☐ c. 255
- ☐ d. 16
- ☐ e. 32



ONLINE EXAMS

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Question 5

Not yet answered

Marked out of  
1.25

Flag question

what stores the date and time in a computer

Select one:

- ☐ a. Register
- ☐ b. ROM
- ☐ c. RAM
- ☒ d. CMOS
- ☐ e. Cache memory



## Online Exams

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Which of the following is not a file extension of a compressed file

Select one:

- ☐ a. .gz
- ☐ b. .pkg
- ☐ c. .zip
- ☐ d. .tar.gz
- ☒ e. All are compressed file extensions.



Question 3

Not yet answered

Marked out of 1.25

Flag question

What is the process done by the program called POST which is run by the computer's basic input/output system

Select one:

- ☒ a. Activating the bootstrap program
- ☐ b. Check all the hardware and confirm that all are functioning properly
- ☐ c. Starting executions after the Operating system is loaded
- ☐ d. Displaying the user interface after the control of the computer is taken by the operating system
- ☐ e. Displaying the initial text formation which is displayed on the screen

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DECL

1

MCS

2

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14

23

STRUCT



# Online Exams

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The instruction currently being executed is stored in

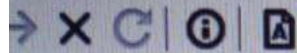
Select one:

- ☐ a. Instruction register
- ☐ b. Program counter
- ☐ c. Data register
- ☐ d. Accumulator
- ☐ e. Instruction pointer



moodle

x



## Online Exams

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Which of the following is a primary memory

Select one:

- ☐ a. CD
- ☐ b. Floppy disk
- ☒ c. ROM
- ☐ d. SSD
- ☐ e. HDD



## Online Exams

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Question 14

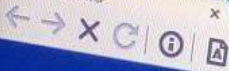
Not yet answered  
Marked out of 2.5  
Flag question

Development of software for computers was started in

Select one:

- ☐ a. 3rd Generation
- ☐ b. 4th Generation
- ☐ c. 5th Generation
- ☐ d. 1st Generation
- ☒ e. 2nd Generation

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## Online Exams

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Question 21

Not yet answered  
Marked out of 1.25

Flag question

Select the incorrect statement regarding the Dynamic RAM

Select one:

- ☐ a. Slower than static memory
- ☒ b. No refreshing needed when powered
- ☐ c. Bits stored as charges in capacitors
- ☐ d. Simpler construction, smaller per bit
- ☐ e. Less expensive



What is the service that usually an OS doesn't execute

Select one:

- ☐ a. Security management
- ☐ b. Process management
- ☐ c. Firmware management
- ☐ d. File system management
- ☐ e. Storage management



Select the correct logic circuit categories

Select one:

- ☐ a. Multiplexer
- ☐ b. Input and output
- ☒ c. Combinational and sequential
- ☐ d. Encoder
- ☐ e. Comparator circuits

## Online Exams

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Inputs and outputs can be defined as the main components of a computer. Select the response only with input devices from the following answers

Select one:

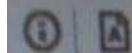
- ☐ a. Keyboard, CD, Optical pen, Bar code reader
- ☐ b. Keyboard, Optical pen, CD, Scanner
- ☐ c. Keyboard, Webcam, Pen-drive, Scanner
- ☒ d. Keyboard, Optical pen, Scanner, Bar code reader
- ☐ e. Keyboard, Pen-drive, Scanner, Bar code reader

The CPU is engaged in executing a certain program, let it be program 1. While it is getting executed, another program (program 2) needs to be executed. Where does that program is stored just before sending an interrupt request by the device controller?

Select one:

- ☐ a. Hard disk
- ☐ b. Main memory
- ☐ c. Cache memory
- ☐ d. Registers
- ☐ e. Local buffers

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Select the incorrect statement

Select one:

- ☐ a. Compiler workload is low in RISC based machines
- ☐ b. SPARC and Power PC are desktop computers that use RISC processor
- ☐ c. In RISC processors, more emphasis is given to software
- ☐ d. In CISC, more transistors are used for storing complex instructions
- ☐ e. RISC normally has low cycles per second, large code sizes





## Online Exams

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Select the incorrect statement regarding data

Select one:

- ☐ a. Data representation refers to the form in which data is stored, processed, and transmitted.
- ☐ b. ASCII is an 8-bit code for 128 different characters.
- ☐ c. One-bit parity is an error correction technique used in data storing and transmission.
- ☐ d. Digitization is the process of converting analog data into digital data.
- ☒ e. Numeric, alphabetic, special, alpha-numeric are different types of character data.



# Online Exams

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Development of software for computers was started in

Select one:

- ☐ a. 2nd Generation
- ☐ b. 5th Generation
- ☐ c. 4th Generation
- ☐ d. 3rd Generation
- ☐ e. 1st Generation



# Online Exams

Sri Lanka Institute of Information Technology

How many characters have included in Unicode

Select one:

- ☐ a. 128
- ☐ b. 256
- ☐ c. 1 million
- ☐ d. 65536
- ☐ e. 16



Question 16

Not yet answered

Marked out of 1.25

Flag question

What is the process done by the program called POST which is run by the computer's basic input/output system?

Select one:

- ☒ a. Displaying the user interface after the control of the computer is taken by the operating system
- ☐ b. Displaying the initial text formation which is displayed on the screen
- ☐ c. Check all the hardware and confirm that all are functioning properly
- ☐ d. Activating the bootstrap program
- ☐ e. Starting executions after the Operating system is loaded



Find the correct statement about sequential circuits

Select one:

- ☐ a. The simplest comparator circuit is an exclusive NOR gate
- ☐ b. 3-to-8 line decoder can be constructed using 2, 2-to-4 line decoders
- ☐ c. Has a memory to keep past output information to calculate current output
- ☐ d. PLA provides a quick and easy way to implement Boolean functions
- ☐ e. Full adder circuit can be made from 2 half-adder circuits



Question 10

Not answered

0 out of 1

Flag question

Steps of an instruction cycle is given below:

- A. Instruction fetch
- B. Data operation
- C. Instruction operation decoding
- D. Data store
- E. Operand fetch

Find the correct order of execution.

Select one:

- ☐ a. A, C, B, D, E
- ☐ b. D, C, A, B, E
- ☒ c. A, C, E, B, D
- ☐ d. B, A, C, D, E
- ☐ e. B, A, E, C, D



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Answered  
Total of  
Question

A program which act as an intermediary between user of a computer and the computer hardware is called as a/an

Select one:

- ☐ a. Website server
- ☐ b. Programming language software
- ☐ c. Networking system
- ☐ d. OS
- ☐ e. Data backup

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Quiz navigation

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# Online Exams

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What does BIU of the 8086 architecture stands for

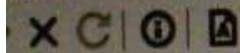
Select one:

- ☐ a. Bug Intel Unit
- ☐ b. Bus Interface Unit
- ☐ c. Bus Interface Union
- ☐ d. Bug Interface Unit
- ☐ e. Bus Intel Unit



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## Online Exams

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g question

The only program always runs in the computer is

Select one:

- ☐ a. Kernal
- ☐ b. Word editor
- ☒ c. Database systems
- ☐ d. Graphic program
- ☐ e. Web browsers



## Question 10

Not yet answered

Marked out of 1.25

Flag question

Steps of an instruction cycle is given below:

- A. Instruction fetch
- B. Data operation
- C. Instruction operation decoding
- D. Data store
- E. Operand fetch

Find the correct order of execution.

Select one:

- ☐ a. A, C, B, D, E
- ☐ b. D, C, A, B, E
- ☐ c. B, A, E, C, D
- ☐ d. B, A, C, D, E
- ☒ e. A, C, E, B, D

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Question 3

Not answered  
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Flag question

The CPU is engaged in executing a certain program. Let it be program 1. While it is getting executed, another program (program 2) needs to be executed. Where does that program is stored just before sending an interrupt request by the device controller?

Select one:

- ☐ a. Local buffers
- ☐ b. Hard disk
- ☐ c. Main memory
- ☐ d. Cache memory
- ☐ e. Registers

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# Online Exams

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Select the incorrect statement regarding data

Select one:

- ☐ a. One-bit parity is an error correction technique used in data storing and transmission.
- ☐ b. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- ☐ c. Digitization is the process of converting analog data into digital data.
- ☐ d. ASCII is an 7-bit code for 128 different characters.
- ☐ e. Data representation refers to the form in which data is stored, processed, and transmitted

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# Online Exams

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The instruction currently being executed is stored in

Select one:

- ☐ a. Instruction register
- ☐ b. Program counter
- ☐ c. Data register
- ☐ d. Accumulator
- ☐ e. Instruction pointer



## Online Exams

Sri Lanka Institute of Information Technology

What is the BCD-value of 481

Select one:

- ☐ a. 1101 0000 1
- ☐ b. 1111 0000 1
- ☐ c. 0001 1100 0001
- ☐ d. 0001 1110 0101
- ☐ e. 0001 1110 0001



## Online Exams

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Choose the incorrect rule of a Kmap simplification

Select one:

- ☐ a. Groups can be formed at diagonal groups
- ☐ b. Groups can be on a horizontal and vertical angles
- ☐ c. Grouping can contain only 1s & 0s
- ☐ d. Groups can overlap
- ☐ e. The groups must be made as large as possible

analyzed a real-world problem to design a combinational circuit. He derived following functions by carefully going through the line numbers of truth table.

$$f = \sum (1, 5, 9, 15)$$

$$\text{don't\_care} = \sum (3, 11, 13)$$

needs your support to simplify these equations using a Karnaugh map (K-Map). Please provide the simplified Boolean equation by using English letters A, B, C, D as variables. (Note: Use A'BC', don't keep spaces between letters)

CD+AD





Question 9

Not yet answered

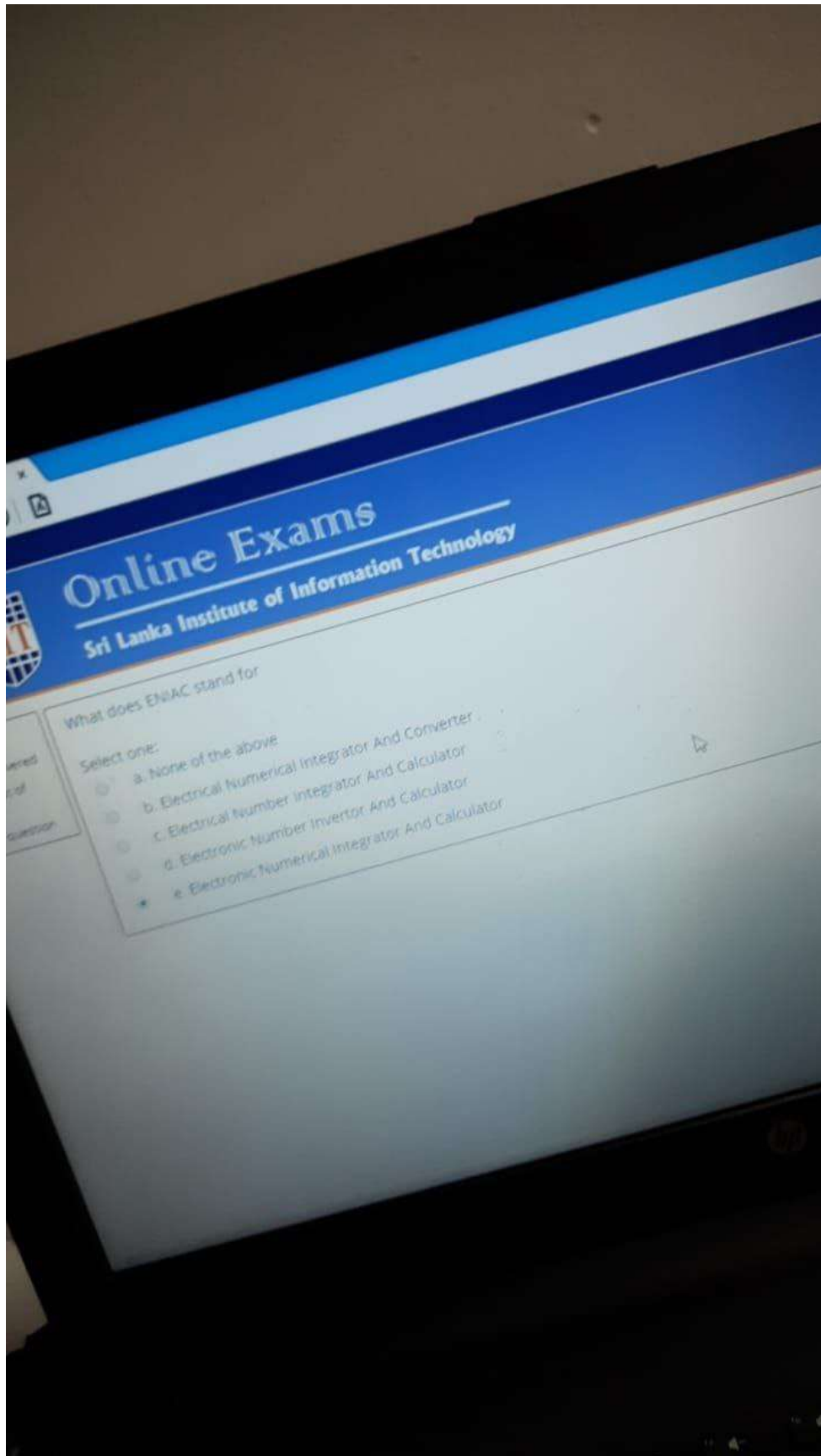
Marked out of 1.25

Flag question

Select the correct statement

Select one:

- ☐ a. Output of sequential logic does not depend on past input values.
- ☐ b. Decoder expansion combine two or more small decoders with enable inputs to form a larger decoder.
- ☐ c. Output of combinational circuits depend on past input values.
- ☐ d. Full adder can take only 2 outputs .
- ☐ e. Half adder is used to add any number of bits.





Question 4

Not answered

0 out of 1

Flag question

How many registers are found in the EU of the 8086 architecture

Select one:

- ☐ a. 4
- ☒ b. 16
- ☐ c. 6
- ☐ d. 8
- ☐ e. 3

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