



Paid Vu Lms Handling/Past Papers Also Available Mam Mehwish 03184148783

CS101 (Mega file)

Mid Term (Live Quiz)

1. Time required to move the read/write heads from one track to another is called as.

- Rotational time
- **Access time ✓**
- Random time

2. Pixels (picture element) are:

- **Collection of dots ✓**
- Collection of matrices
- Collection of dot-matrix
- Collection of disks

3. Algorithm for Finding Binary Representation of a Positive Decimal Number contain:

- Long process
- **Three ✓**
- Enough
- One

4. Before the Stored Program concept, data was stored in memory while programs were a part of:

- **Cable ✓**
- CPU



- Cache
-

5. What would be the output when we apply NOT operation on input 1?

- 0 ✓
-

6. One of the major uses of the ____ operation is to place zeros in one part of a bit pattern while not disturbing the other part.

- NOR
 - XOR
 - AND ✓
 - OR
-

7. Which one of the following techniques is used by adaptive dictionary system for encoding data?

- Relative encoding
 - Frequency-dependent encoding
 - Run-length encoding
 - LZW encoding ✓
-

8. The most popular system for representing integers within today's computers is ____'s complement notation.

- Three
 - One
 - Zero
 - Two ✓
-

9. Due to the volatility and limited size of a computer's main memory, most computers have additional memory devices called:

- Mass storage ✓
- PRAM



- DRAM
-

10. The sum of seek time and rotation delay is called as:

- **Access time** ✓
- Rotational time
- Transfer time
- Delay time

An instruction register holds the machine instruction, which is

- O Being transferred now
- O Being stored now
- O Being loaded now
- ✓ O Being executed now

☒ **Non-terminating expansions may also be a source of**

- ✓ Logical error
- O Truncation error
- O Syntax error

☒ **The ____ consists of instructions that tell the control unit to request an activity within the arithmetic/logic unit.**

- ✓ Control unit group
- O RISC group
- O Arithmetic/logic group
- O RISC/CISC group

☒ **To identify individual cells in a Computer's main memory, each cell is assigned a unique "name," called its ____**

- O Place holder
- ✓ Address
- O Path



☒ form eliminates the possibility of multiple representations for the same value.

- Unnormalized
- Signified
- Normalized

☒ A negative exponent would mean to move the radix point _____.

- After sign bit
- To right
- To left
- Before sign bit

☒ Hexadecimal notation uses a ____ symbol to represent a pattern of four bits.

- Double
- Quad
- Triple
- Single

☒ Before the Stored Program concept, data was stored in memory while programs were a part of

- CPU
- Cache
- Cable

☒ In SD card technology, SDHC (High Capacity) can provide GBs of storage.

- 16
- 64

☒ In Excess Notation, Zero is represented as _____.

- All's
- lo

☒ To store a character in computer memory, normally ____ bits will be required.

- 4 bits



- 8 bits ✓
 - 16 bits
 - 32 bits
- ☐ Which of the following is a lossless data compression technique?
- Discrete cosine transform ✓
 - Frequency-dependent encoding
 - Transform coding
 - Binary encoding
- ☐ The impact of truncation error can be reduced by using:
- Zero in sign bit
 - Positive exponent field
 - Longer mantissa field ✓
 - Longer exponent field
- ☐ The _____ consists of instructions that tell the control unit to request an activity within the arithmetic/logic unit.
- Arithmetic/logic group ✓
 - Control unit group
 - RISC/CISC group
 - RISC group
- ☐ One of the earlier computing devices was the:
- ABACUS ✓
 - Windows
 - Laptop
 - iPhone
- ☐ One term could be used for more than one thing. For example, the word "Jaguar" is used in two meanings such as:
- Animal and car ✓
 - Car and Cat



- Car and bus
- Car and helicopter
- ☒ In fractional binary numbers, the decimal point is termed as a/an:
 - Radix Point ✓
 - Inter Point
 - Numeric Point
 - Fraction Point
- ☒ Computer does not understand any language except:
 - Human language
 - Assembly language
 - High level language
 - Binary language ✓
- ☒ Bit is:
 - Secondary unit of storage
 - Not a unit of storage
 - Basic program of storage
 - Basic unit of storage ✓
- ☒ Each Textual Symbol is represented with a:
 - Unique bit
 - Bit
 - Byte ✓
 - Kilo byte
- ☒ **All bit patterns, which represent positive numbers in excess notation start with:**
 - 00
 - 11
 - **1 ✓**
 - 0

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❑ In hexadecimal notation, ____ bits represent a single symbol.

- Three
- **One ✓**
- Two

❑ Basic arithmetic operations are _____.

- **(+,/,*) ✓**
- (+,-,*,/)
- ((),^,*)
- (=,=,-)

❑ The hackers normally add many ____ to such websites as the information seeker of free music.

- Messages
- Alert
- Song
- **Viruses ✓**

❑ In binary Addition $1+0$ is =

- **1 ✓**

❑ TIFF is an acronym of?

- **Tagged Image File Format ✓**
- Transform Image File Format
- Template Image File Format
- Toggle Image File Format

❑ In SD card technology, SDHC (High Capacity) can provide ____ GBs of storage.

- 16
- **32 ✓**

❑ The most popular system for representing integers within today's computers is __.'s complement notation.

- Zero
- **Two ✓**



- One
- ☐ Hexadecimal notation uses a ____ symbol to represent a pattern of four bits.

- Quad
- **Single ✓**
- Triple

- ☐ Previously how many bits were used to store numbers in 2's complement notation?

- **8 bits ✓**
- 16 bits
- 128 bits

1. In black and white images, each pixel is represented as one bit — e.g., 0 for black and 1 for white. It is an example of

- Email
- Matrix
- Facsimile ✓
- Searching

2. Encoding is used to store colorful images.

- Bitmap
- Scaling
- RGB ✓
- Pixel

3. To store or manipulate data in computers, the bit 0 represents the value false and the bit 1 represents the value

- Wrong
- True/false
- Empty



- True ✓

4. The most popular system for representing integers within today's computers is 's complement notation.

- Two ✓

- Three

- Zero

- One

5. EEE is the smallest negative number represented by using 16-bit 2's complement notation.

- 32767

- -32768 ✓

- -32867

- -32678

6. A long string of bits is often called a

- Line

- Byte

- Stream ✓

- Bit

7. Computer hardware is the collection of

- Websites

- Programs

- Applications

- Physical parts of a computer system ✓

8. The impact of truncation error can be reduced by using



- Longer mantissa field ✓
- Longer exponent field
- Zero in sign bit
- Positive exponent field

9. HTTP stands for:

- Hyper texture transfer protocol
- Hyper title transfer protocol
- Hyper track transfer protocol
- Hypertext transfer protocol ✓

10. In floating point notation, if value of sign bit is zero then the value represented is

- Fractional
- Negative
- Positive ✓
- Numeric

1. In Excess Notation, Zero is represented as

- All 0's
- All 1's in the most significant bit ✓
- All 1's
- 1 in the least significant bit

2. Possibility of multiple representations for the same value.

- Unnormalized ✓
- Signified
- Normalized



3. 2 raised to the 0 equals to

- 3
- 1 ✓

4. Computer hardware is the collection of

- Physical parts of a computer system ✓
- Applications
- Programs
- Websites

5. The most popular system for representing integers within today's computers is

- Zero's complement notation
- Two's complement notation ✓
- Three's complement notation
- One's complement notation

6. DVD stands for

- Digital Versatile Disks ✓
- Decimal Versatile Disks
- Digital Version Disks
- Decimal Version Disks

7. In fractional binary numbers, decimal point is termed as a/an

- Inter Point
- Numeric Point
- Fraction Point
- Radix Point ✓



8. To identify individual cells in a Computer's main memory, each cell is assigned a unique "name," called its

- Address ✓
- Place holder
- Location

9. In binary notation, we can represent __ numbers if we have n bits.

- 2 power (n+1)
- 2 power (n) ✓
- 2(n-1)

10. In hexadecimal notation, __ bits represent as single symbol.

- One
- Four ✓
- Two
- Three

1. The browser assumes that it should contact the HTTP server at www.zoo.org via port number:

- 70 ✓
- 120
- 45
- 0

2. The dispatcher allocates:

- Storage space
- Mass storage space
- Memory space
- Time slices ✓



3. **A private key is used to ____ messages:**

- Decrypt ✓
- Receive
- Encrypt
- Send

4. **In a network, how does a switch minimize traffic within each spoke?**

- By relaying messages only into the appropriate spoke. ✓
- By limiting the number of messages transmitted.
- By relaying each message to every spoke.
- By broadcasting all messages to every spoke.

5. **The system software consists of two categories ____ and Utility software:**

- Firmware software
- Device drivers
- Operating system ✓
- Freeware software

6. **DoS attack means:**

- Division of service
- Dental of service
- Denial of service ✓
- Disconnect to the service

7. **Which of the following is true for Flip Flops?**

- Generate output individually
- Accept inputs individually



- Produce output in group
 - Generate output collectively ✓
-

8. **Choose the lowest heading level HTML tag from the given options:**

- h4
 - h2
 - h6 ✓
 - 0
-

9. **What parameter is inserted inside the opening anchor tag to create a hyperlink to another document?**

- target = "<https://www.vu.edu.pk/AboutUs/AboutVU.aspx>"
 - ref = "<https://www.vu.edu.pk/AboutUs/AboutVU.aspx>"
 - link = "<https://www.vu.edu.pk/AboutUs/AboutVU.aspx>"
 - href = "<https://www.vu.edu.pk/AboutUs/AboutVU.aspx>" ✓
-

10. **Flood of attempts attack can be detected by:**

- Audit ✓
- System
- Snipping
- Capturing

1. **How are networks classified based on their topology?**

- Based on the pattern in which the machines are connected. ✓
- Based on the number of connected devices.
- Based on the communication protocol.
- Based on the network speed.

2. **Deadlock cannot occur unless all the specified conditions are:**



- Neglected
 - Ignored
 - Unsatisfied
 - Satisfied ✓
3. **A private key is used to _ messages.**
- Send
 - Decrypt ✓
 - Encrypt
 - Receive
4. **_ provides a network the internet connectivity.**
- Node
 - Repeater ✓
 - Hub
5. **What analogy is used to emphasize the distinction between an algorithm and its representation?**
- Story and reader
 - Story and book ✓
 - Book and language
 - Writer and story
6. **In the transportation of the gift, the user-level mean:**
- The connection lines
 - The airlines
 - The shipping companies ✓
 - You and your friend
7. **World Wide Web was adopted as a standard approach for linking documents over the Internet because:**
- No alternate existed at that time
 - Existing alternative approaches were not very efficient



- It got widely popular after incorporating support for multimedia content ✓
 - No existing alternative approach was more widely used at that time
8. **Which register contains the address of the next instruction?**
- Program counter ✓
 - Address register
 - Data register
 - Instruction register
9. **User can see directories or files by using:**
- Internet explorer
 - Microsoft explorer
 - Window explorer ✓
 - User interface
10. **What is the primary function of Simple Mail Transfer Protocol (SMTP) in the context of email?**
- Converting non-ASCII to SMTP-compatible form
 - Transferring text messages ✓
 - Downloading mail messages
 - Storing messages locally

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