

MIDTERM EXAMINATION

CS101- Introduction to Computing (Session - 5)

Question No: 1 (Marks: 1) - Please choose one

The memory size of the Altair 8800 was

- ▶ 128 bytes
- ▶ 128 Kilo bytes
- ▶ 256 Kilo bytes
- ▶ **256 bytes**

Question No: 2 (Marks: 1) - Please choose one

URL is a/an _____

- ▶ Device
- ▶ Component
- ▶ **Address**
- ▶ Tool

Question No: 3 (Marks: 1) - Please choose one

Which of the following hardware component of a computer can also be called as engine?

- ▶ Bus
- ▶ Storage
- ▶ Memory
- ▶ **Processor**

Question No: 4 (Marks: 1) - Please choose one

The _____ Processor is specially designed for PDA?

- ▶ PowerPC
- ▶ **StrongARM**
- ▶ Crusoe
- ▶ SPARC

Question No: 5 (Marks: 1) - Please choose one

There are _____ ways to represent an algorithm.

- ▶ 1
- ▶ 2
- ▶ **3**
- ▶ 4

Question No: 6 (Marks: 1) - Please choose one

Which one is correct for JavaScript?

- ▶ **onMouseOver**

- ▶ **OnMouseOver**
- ▶ onmouseover
- ▶ All of the given

Question No: 7 (Marks: 1) - Please choose one

_____ is a particularly good language for processing numerical data, but it does not lend itself very well to large business programs

- ▶ BASIC
- ▶ PASCAL
- ▶ JAVA
- ▶ **FORTTRAN**

Question No: 8 (Marks: 1) - Please choose one

In spreadsheets, cell address A12 means _____.

- ▶ Row A, Cloumn 12
- ▶ **Row 12, Cloumn A**
- ▶ Row 2, Cloumn A1
- ▶ Row A1, Cloumn 2

Question No: 9 (Marks: 1) - Please choose one

The key feature of Scientific/Engineering/Graphics applications is _____

- ▶ **Intense calculations**
- ▶ User-friendly
- ▶ Reliability
- ▶ Cost-effective

Question No: 10 (Marks: 1) - Please choose one

Command which saves the selected text before deleting is

- ▶ Copy
- ▶ Delete
- ▶ **Cut**
- ▶ Undo

Question No: 11 (Marks: 1) - Please choose one

Properties of an object are modified with

- ▶ Class
- ▶ **Methods**
- ▶ Structures
- ▶ Forms

Question No: 12 (Marks: 1) - Please choose one

Video Card has its own -----

- ▶ Memory
- ▶ Processor
- ▶ **Memory& Processor**
- ▶ Neither memory nor Processor

Question No: 13 (Marks: 1) - Please choose one

Using only HTML we can create

- ▶ Dynamic web pages
- ▶ Static web pages
- ▶ **Both Static and Dynamic pages**
- ▶ None of these

Question No: 14 (Marks: 1) - Please choose one

Computers are good at

- ▶ Speed
- ▶ Storage
- ▶ Never bored
- ▶ **All of the given choices**

Question No: 15 (Marks: 1) - Please choose one

There is a battery on the motherboard to:

- ▶ Give power to the processor
- ▶ Save information when computer is off
- ▶ Save information when computer is on
- ▶ **Give power to the motherboard**

Question No: 16 (Marks: 1) - Please choose one

Microsoft Word is a type of:

- ▶ System Software
- ▶ Freeware Software
- ▶ **Shrink-Wrapped Software**
- ▶ Custom-built Software

Question No: 17 (Marks: 1) - Please choose one

The set of instructions that operates various parts of hardware is called shareware.

- ▶ True
- ▶ **False**

Question No: 18 (Marks: 1) - Please choose one

Which of the following manages the HW and SW resources of the computer system?

- ▶ Hardware
- ▶ System Software
- ▶ **Operating system**
- ▶ Graphics Software

Question No: 19 (Marks: 1) - Please choose one

Application developers do not need to know much about the HW, especially the microProcessor, while they are developing their application.

- ▶ **True**
- ▶ False

Question No: 20 (Marks: 1) - Please choose one

Which of the following formula is used in spread sheet for addition?

- ▶ C6+E6
- ▶ **=C6+E6**
- ▶ 6+6=12
- ▶ 6+E6

Question No: 21 (Marks: 1) - Please choose one

Web Pages developed for human as well computer understanding are called as;

- ▶ Static Web Pages
- ▶ **Semantic Web Pages**
- ▶ Dynamic Web Pages
- ▶ Java Web Pages

Question No: 22 (Marks: 1) - Please choose one

Programs where no user interaction found during program execution are called _____.

- ▶ **Batch program**
- ▶ Event-driven programs
- ▶ Graphics based programs

- ▶ None of the given

Question No: 23 (Marks: 1) - Please choose one

In _____, the software developer decomposes the problem into subsystems and defines their relationships.

- ▶ Detailed Design
- ▶ Integration Testing
- ▶ **Design**
- ▶ Architecture

Question No: 24 (Marks: 1) - Please choose one

A diode functions as the electronic version of a _____-way valve.

- ☒ **one**
- ☐ two
- ☐ three
- ☐ four

Question No: 25 (Marks: 1) - Please choose one

What is the key feature of computer which is against human nature?

- ▶ **Can't get bored.**
- ▶ Pattern recognition
- ▶ Repetition
- ▶ None

Question No: 26 (Marks: 1) - Please choose one

The first -----was invented at Bell Laboratories on December 16, 1947 by William Shockley.

- ▶ **Transistor**
- ▶ Vacuum Tube
- ▶ Punch card
- ▶ Transmitter

Question No: 27 (Marks: 1)

What is the Brute Force Strategy?

Answer: A strategy in which all possible combinations are examined and best

among them is selected. Brute force (also known as brute force cracking) is a trial and error method used by application programs to decode encrypted data such as passwords or Data Encryption Standard (DES) keys, through exhaustive effort (using brute force) rather than employing intellectual strategies.

Question No: 28 (Marks: 1)

What is java script?

Answer: JavaScript is an object-oriented scripting language used to enable programmatic access to objects within both the client application and other applications.

It is primarily used in the form of client-side JavaScript, implemented as an integrated component of the web browser, allowing the development of enhanced user interfaces and dynamic websites

Question No: 29 (Marks: 2)

How can you explain control unit?

Answer: Control unit is a computerized part of the speech processor. Most of the controls, such as program, volume and sensitivity, are located on the control unit.

Question No: 30 (Marks: 3)

How a designer makes Structured Design?

Answer: Structured Design: Materials and member type, size, and configuration to carry loads in a safe and serviceable fashion.

In general, structural design implies the engineering of stationary objects such as buildings and bridges, or objects that may be mobile but have a rigid shape such as ship hulls and aircraft frames. Structural design involves at least five distinct phases of work, project requirements, materials, structural scheme, analysis, and design. It is insufficient in most cases, for the designer to consider a solution, a design. He should evaluate several alternate designs and choose the best in the sense of maximizing such technical objectives as efficiency, reliability, and maintainability while satisfying such design constraints as memory size and response time.

Question No: 31 (Marks: 5)

What is Turing machine? Who invented it and also explain how a Turing test is conducted?

Answer: A Turing machine is a theoretical device that manipulates symbols contained on a strip of tape. Despite its simplicity, a Turing machine can be adapted to simulate the logic of any computer algorithm, and is particularly useful in explaining the functions of a CPU inside of a computer. The "Turing" machine was designed by Alan Turing in 1937.

The Turing test is a proposal for a test of a machine's ability to demonstrate intelligence. It proceeds as follows a human judge engages in a natural language conversation with one human and one machine, each of which tries to appear human. All participants are placed in isolated locations. If the judge cannot reliably tell the machine from the human, the machine is said to have passed the test. In order to test the machine's intelligence rather than its ability to render words into audio, the conversation is limited to a text-only channel such as a computer keyboard and screen.

If a computer pass the test ,we can say that a machine can think.

Question No: 32 (Marks: 5)

What are JavaScript literal and what are its types?

Answer: The raw data that make up the root of data types are called "literals." These are, in effect, literally what they represent themselves to be. Numbers, strings, and Boolean values make up the core set of literals in JavaScript. Little mystery exists with literals, but important differences exist between them. In JavaScript, data types include strings, which are simply quoted characters, numbers, Boolean, Objects and even a type which has no value at all, Null. Since JavaScript is a loosely typed language, you don't necessarily need to know what type of data every value is (although it certainly helps).

Every piece of data in these categories is known as a value. When a value is referred to outright in a statement, it is called a literal value. For the same reason people are identified by names as opposed to "human" or "person", literal values can be named in order to make repeated reference to them practical, efficient and readable. These names are called variables.

Literals can be of several types. Some of them are:

Array Literals

Boolean Literals

Floating-Point Literals

Integers

Object Literals

String Literals