

## CS-101 - Virtual University CS-201 Short Question Preparation

Q1. What is a compiler? Write its one benefit over interpreter.

**Ans 1:** Compiler translates the program written in a HLL in one go. The translated code is then used by the uP whenever the program needs to be run. In contrast of interpreter, a compiler translates high-level instructions directly into machine Language. Compiled programs generally run faster than interpreted programs.

Q2. What is a function? Give one example.

**Ans 1:** Function is a reusable code (group of statement) that is executed when the function is called. It is also known as subprogram. Function is normally defined in the head section of the code.

Q3. Why do we call JavaScript an Object-based Language?

**Ans 1:** Java Script is a language by which we are writing our web-pages, this language is designed to work for web pages

Q4. Why the quality of image in dithering scheme is not good?

**Ans 1:** In this scheme, pixels of alternating colors are used to simulate a color that is not present in the palette. For example, red and green pixels can be alternated to give the impression of bright yellow. The quality of the displayed image is poorer.

Q5. In programming, what is a loop?

**Ans 1:** In computer science a for loop is a programming language statement which allows code to be repeatedly executed. A for loop is classified as an iteration statement.

Q6. Differentiate between onLoad and onUnload

**Ans 1:** Onload event is used when the page is loaded in the browser while on the other side.

**Ans 2:** onUnload event works when the page closes down.

Q7. Write a JavaScript program having two functions sum and mean.

**Ans 1:** The web page will ask the user to enter five values to be added. After taking input it will calculate the sum and mean of those values by calling sum and mean functions.

Q8. How can you define a consistent web design? Why is it needed?

**Ans 1:** A consistent web design is Easy understandable, not with heavy graphics, easy navigation. It is needed because most of the website views leave the site because of poor navigation and not easy to understand, text and design is not clear etc

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Q9. What is an intelligent system?

**Ans 1:** Intelligent systems are the programs developed to perform complicated jobs that reflect human brain and thoughts. If the algorithms are too much complex or can not be solved instantly then we can use such systems. Therefore the well intelligent system not only performs well but it has the capability to rectify any errors by himself if it occurs within his domain. The examples of intelligent systems are Robotics, Business Intelligence ...etc.

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Q10. What is a Relational Database? Give the names of any three RDBMS software.

**Ans 1:** Database architecture consists of three levels, external, conceptual and internal. Clearly separating the three levels was a major feature of the relational database. NAMES: Oracle Database software, Linux, and oracle e business database software , and Oracle OLAP.

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