

## CS-101 - Virtual University STA-301 Short Question Preparation

Q1. What is the role of usability in the design of a website?

**Ans 1:** On the Web, usability is a necessary condition for survival. If a website is difficult to use, people leave. If the homepage fails to clearly state what a company offers and what users can do on the site, people leave. If users get lost on a website, they leave. If a website's information is hard to read or doesn't answer users' key questions, they leave.

Q2. Suppose we have a big project. Draw hierarchy of the people involved in the project?

**Ans 1:** Please ignore small lines relating Sub Teams to subordinates due to shortage of time. ABCD etc are connected directly to Team Lead 1,2 & 3 accordingly.

Q3. How JavaScript Arrays are heterogeneous?

**Ans 1:** Arrays are heterogeneous in java script because at the same time simultaneously they can hold elements of multiple data types

Q4. 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.

Q5. How DoS attack is a cyber crime? For what cyber crime can be used?

**Ans 1:** DoS stands for Decline of Service and it is a cyber crime as it jams and in some cases shut down the targeted computer by sending too much unnecessary data packets to it which ultimately exceeds the normal processing eventually results the computer or server to stuck and unable to provide services to others. It can be used to destroy the fame and diminishing of no of users requesting information and services from that particular server or computer.

Q6. Elaborate Raster Graphics with examples.

**Ans 1:** Raster graphics are digital images created or captured (for example, by scanning in a photo) as a set of samples of a given space . A raster file is usually larger than a vector graphics image file. A raster file is usually difficult to modify without loss of information. Examples of raster image file types are: BMP, TIFF, GIF, and JPEG files.

Q7. What is the difference between microprocessors and microcontrollers? Give one example of both

**Ans 1:** The microprocessor is electronic equipment which can perform several function and also processing of data and

information present in a computer, while microcontroller can only perform one function for that its design Example Microprocessors \_ Pentium 4 Microcontroller \_ can be a switch in side the washing machine

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Q8. What does NIC stand for?

**Ans 1:** Network Interface Cards.

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Q9. Why there is a need to use primary key in database ?

**Ans 1:** Primary Key is a field that uniquely identifies each record stored in a table.

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Q10. What is animated gif? How can we use it? If we animate images in JavaScript then is it better?

**Ans 1:** It is bit mape image format introduced in 1987by compuserve.It support up to 8 bits per pixel.It also support animation And allow a separate palette of 256 colors for each frame. Uses: We can use it in web site they are suitable for sharp edged line art with limited number of colors. They are good for small animation and low resolution clips. The size is small and on web site they can uploaded and downloaded easily

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