

CS-101 - Virtual University CS-403 Short Question Preparation

Q1. What are the steps of working of TCP and IP protocols in internet transmission?

Ans 1: TCP divide messages in to many packets (capsulation) and sent these messages over the internet and IP route these messages on the internet to the correct destination and upon reaching the messages on its destination the messages are encapsulated.

Q2. 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.

Q3. 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.

Q4. What is an IP address ?

Ans 1: Every device connected to the public Internet is assigned a unique number known as an Internet Protocol (IP) address.

Q5. 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

Q6. Who is a Computing Professional?

Ans 1: Computing technology has changed our way of life like no other technology. We need to study how it has done it to highlight the mistakes and success stories of the past. We need to do it so that we can learn from them and select our future direction Accordingly.

Q7. What was the obstacle to the construction of analytical engine?

Ans 1: Charles Babbage had huge difficulties raising money to fund his research. As a last resort, he designed a clever mathematical scheme along with Ada, the Countess of Lovelace. It was designed to increase their odds while gambling. They bet money on horse races to raise enough money to support their research experiments Guess what happened at the end? The lost every penny that they had.

Q8. What are Trojan Horses?

Ans 1: Trojan horses are a kind of cyber crime, they are v harmful to computer because they are stand alone program and the look like what they are not like any thing amusing or not harmless like games..

Q9. Differentiate between For and While loop by writing the syntax of both loops.

Ans 1: When the exact number of iterations is known, use the 'for' loop When the number of iterations depend upon a condition being met, use the 'while' loop 'for' loops become especially useful when used in conjunction with arrays We'll find out about arrays today, and we'll probe their usefulness as part of 'for' loop structures

Q10. What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Ans 1: 1. Robotics

These are the machines which are computer programmed and perform work which was previously done by humans. They can be found in the manufacturing industry, the military, space exploration and medical applications. 2. Expert Systems These systems are designed to replace an expert. The medical expert system is an example of such system which can replace a Doctor/medical expert
