

CS-101 - Virtual University PAK-301 Short Question Preparation

Q1. 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

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. 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

Q4. What do you mean by the term 'Telepresence' in Computing World?

Ans 1: Telepresence • Being there, without physically being there! • Two remotely located people, with the help of special equipment, immersed in a simulated 3-D environment where they interact like they are sitting next to each other • Chatting, a telephone conversation, or even a videoconference are examples, but in a degraded sense of the idea

Q5. Why hub is used in networks?

Ans 1: The network traffic controller – components of conventional computer networks. Hub is used to connect the different computers in the network i.e. to the server.

Q6. What are application softwares? List down the names of three application softwares.

Ans 1: Definition: Application Software are that software then can interact directory with the user for performance of respective type of work.
Following are the types of Application Softwares:- · AutoCAD and Corel Draw · Business Software · Productivity SW · Games Software

Q7. Define the key weakness of the web?

Ans 1: Initially web was designed only for humans to read not for computers to understand it.

Q8. What is ARPANET and who developed it?

Ans 1: ARPANET stands for Advanced Research Projects. The initial purpose was to communicate with and share computer resources among mainly scientific users at the connected institutions. In the beginning it was connected four universities and enabled scientists to share resources. It was headed by Dr. J.C.R. Licklider.

Q9. What is heuristic?

Ans 1: Common sense Lesson drawn from experience
(Artificial) Intelligent Systems SW programs or SW/HW systems designed to perform complex tasks employing strategies that mimic some aspect of human thought
or
• a commonsense rule (or set of rules) intended to increase the probability of solving some problem • of or relating to or using a general formulation that serves to guide investigation

Q10. 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.
