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

Q1. Write names of the DoS attack's phases?

**Ans 1:** DoS (Denail of service): DoS attach has in total 3 phases and below they are listed: 1. Search 2. Arm 3. Attack

Q2. 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.

Q3. 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.

Q4. Define professional ethics and its benefits with an example?

**Ans 1:**
**Professional Ethics**
• Professional ethics are a category of ethics, and here we discus the professional ethics relevant to computing • Awareness of professional ethics is gaining importance with time as the decisionmaking process in the work place keeps on increasing in complexity • The professional ethics provide a way of simplifying that decision making process Let us now discuss a few situations where I will request you for your ethical opinions

Q5. 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.

Q6. What is Structured Vector Graphics ?

**Ans 1:** This is a plug-in that is required to view swf (flash) files in the web browser

Q7. Elaborate Vector or Object oriented graphics with atleast one example.

**Ans 1:** Treats everything that is drawn an object. Objects retain their identity after their drawn. These objects can later be easily moved stretched duplicated deleted etc are resolution independent relatively small size. e. g. swf, wmf,

## Q8. Why Local variable is preferred over Global variable ?

**Ans 1:**   Global variable has some advantage with Local variables is preferred due to the following reasons:- When we declare any global variable in web page then in case of error and logic it's very difficult to see on which line this variable is used and what's his value if we have more than 2000 lines and all the functions in web page using that Global Variable so Global variables can make the logic of a Web page difficult to understand. As we know we can use Global variable everywhere so Global variables also make the reuse and maintenance of your code much more complex

## Q9. Why hub is used in networks?

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

## Q10. 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