



Sample Test ICT

بوليتكنك
POLYTECHNIC

“Building the Future of UAE Technologies”

Sample Preparatory Exam Questions with answers`for ICT:

Each station can both send and receive, but not at the same time.

- a) Half-duplex
- b) Full duplex
- c) Simplex
- d) Half wave

The _____, is the set of rules that governs data communications. It represents an agreement between the communicating devices

- a) Protocol
- b) Topology
- c) IP address
- d) Cables

Attacker starts a program that presents a fake login screen and leaves the computer, then, the user enters username and password on the fake login screen.

- a) Virus attacks.
- b) Worms.
- c) Spoofing attacks.
- d) Protecting user name and password.

What kind of software program delivers advertising content in a manner that is unexpected and unwanted by the user, and is typically included in malware?

- a) Adware
- b) Keylogger
- c) Spam
- d) Trojan

Malware that locks or prevents a device from functioning properly until a fee has been paid is known as:

- e) Lock-ware
- f) Ransomware
- g) Stealware
- h) Hostageware

The NAND gate consists of

- a) AND gate followed by NOT gate
- b) OR gate followed by NOT gate
- c) AND gate followed by AND gate
- d) NOT gate followed by AND gate

One of the disadvantages of the _____ topology is that the signal reflection at the top can degrade the quality

- a) Ring topology
- b) Star topology
- c) Bus topology
- d) Mesh topology

The high order bits of class C IP addresses are _____

- a) 110
- b) 111
- c) 101
- d) 011

In coaxial cables, the insulation between the metallic shield and copper conductor is used to eliminate _____ between them.

- a) Electromagnetic interference
- b) Electrical fault
- c) Thermal interference
- d) Insulation

A device that receives the signal from a connected computer and retransmits the regenerated signal to all other computers connected to it.

- a) Hub
- b) Switch
- c) Router
- d) Gateway

Prevention of authorized access of resources or the delaying of time-critical operations is considered as:

- a) Confidentiality.
- b) Denial of Service.**
- c) Integrity.
- d) Efficiency.

What type of malware consists of a set of software tools used by an attacker to hide the actions or presence of other types of malicious software, such as a virus?

- e) Rootkit**
- f) Backdoor
- g) Wrapper
- h) Shield

All the layers add a header to the data except the _____ layer which adds header and trailer.

- a) Network
- b) Data link**
- c) Transport
- d) Physical

Is the process of adding additional information when data is traveling in the OSI model. The additional information has been added on the sender's side, starting from Application layer to Physical layer.

- a) Encapsulation**
- b) Decapsulation
- c) Framing
- d) Segmentation

All the host bits of the _____ address are zero's

- a) Broadcast
- b) Host
- c) Network**
- d) IP