IT FUNDAMENTALS – ONLINE ASSESSMENT

The 50 Questions

Date: Thursday 13th November 2014

DT228-1, here are all 50 questions for the assessment that will go online next Tuesday (Tuesday 19th November) and will remain available from 9.00am – 9.00pm, then again on Wednesday 20th November, 9.00am – 6.00pm.

These questions are the actual questions – so you can research the answers as you wish.

On the missing word options: on the online version there will be multiple choice options that I have not included here. This should make the actual test a wee bit easier.

When you begin the quiz online you will get 50 minutes to do the quiz as a one-off, but you can choose any session of time within the ‘Day One’ or ‘Day Two’ window.

All the best with this coursework. It is worth **30%** of the overall mark for IT Fundamentals. So your percentage score will be factorised and rounded up within the 0-30% weighting.

**\* \* THESE notes will remain visible on the Assessments link till**

**Monday 17th November at 12.00 noon \* \***

1. (True or False?)

A clock is attached to the CPU to time its functions.

1. What is the missing word?

A \_\_\_\_\_\_\_ is a piece of software that assists your computer in using a specific device, such as a printer or scanner.

1. What is the missing word?

A method by which a piece of hardware communicates with the processor is called a(n) \_\_\_\_\_\_\_, because the device (such as a sound card) might \_\_\_\_\_\_\_ the computer to carry out a function.

1. What are the missing words?

\_\_\_\_\_\_\_\_\_\_\_\_\_ - a method by which applications can share information. EG cutting something from one application and pasting it into another.

1. What is the missing word?

Expert Systems (ES) capture decision-making \_\_\_\_\_\_\_ that are set and used by human experts.

1. What are the missing words?

A system is said to be a \_\_\_\_\_\_\_\_\_\_\_\_\_ if it is possible to see where action by the system generates some change in its environment and that change is reflected in that system in some manner (feedback) that triggers a system change, originally referred to as a "circular causal" relationship.

1. (True or False?)

The term, ‘fuzzy logic’ is associated with artificial Intelligence.

1. What are the missing words?

The \_\_\_\_\_\_\_\_\_\_\_\_\_ is a test of a machine or computer’s ability to exhibit intelligent behaviour equivalent to, or indistinguishable from, that of a human.

1. What is the missing word?

The term, \_\_\_\_\_\_\_ means that several logical records are grouped within one physical record.

1. What is the missing word?

\_\_\_\_\_\_\_ - technically an input or output operation, depending on which direction the information is going - is increasingly considered the fifth primary computer operation.

1. What is the missing word?

\_\_\_\_\_\_\_ is software that is available free of charge and often distributed informally for evaluation, after which a fee may be requested for continued use.

1. What is the missing word?

\_\_\_\_\_\_\_ are self-contained modules (units of software) that provide models of the real world and can be reused in different applications.

1. (True or False?)

UNIVAC was a computer company that evolved into Apple Computer Inc.

1. What is the missing word?

Persistent efforts to use a computer to gain illegal or unauthorised entry to another computer system is called \_\_\_\_\_\_\_

1. What are the missing words?

Malware is short for "\_\_\_\_\_\_\_\_\_\_\_\_\_." Malware is any kind of unwanted software that is installed without your adequate consent.

1. What is the missing word?

When the \_\_\_\_\_\_\_ worm is executed, it copies itself to the windows folder as Winmgm32.exe. It creates a mutex named Worm.X to make sure there is no copy of \_\_\_\_\_\_\_ running on that system.

1. What is the missing word?

Identity thieves sending fraudulent e-mails to people masquerading as legitimate businesses to obtain credit card numbers/details or information needed for identity theft is known as \_\_\_\_\_\_\_.

1. What is the missing word?

A software program (or whole system) used to block potential computer viruses passed through the Internet is called a \_\_\_\_\_\_\_.

1. What are the missing words?

Prior to systems analysis, systems developers could perform a \_\_\_\_\_\_\_\_\_\_\_\_\_ to establish technical needs of users.

1. What are the missing words?

The \_\_\_\_\_\_\_\_\_\_\_\_\_ step is constructed based on the documentation and specification created during systems design.

1. What are the missing words?

\_\_\_\_\_\_\_\_\_\_\_\_\_: these approaches are typically used in software development to help businesses respond to unpredictability, where solutions evolve through adaptive planning and encourages rapid and flexible response to change.

1. What is the missing word?

Any person who has interests in an existing or proposed information system, including users, developers and/or owners, is a \_\_\_\_\_\_\_

1. What are the missing words?

A \_\_\_\_\_\_\_ is a computing professional who observes the conditions of an information technology problem and how to proceed – and may or may not be involved in the systems design phase.

1. What are the missing words?

A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_ is a type of data modeling that shows a graphical representation of objects or concepts within an information system or organization and their relationship to one another

1. What are the missing words?

Related to end users, the concepts of care, objectivity, honesty, social justice, environmental sustainability and health and safety can be grouped as:

1. What is the missing word?

Related to the systems life cycle, when installing a new computer system, a ‘gradual conversion strategy is sometimes called a \_\_\_\_\_\_\_ approach.

1. Programming language question: spot the odd one out.
2. What are the missing words?

A thread (or \_\_\_\_\_\_\_\_\_\_\_\_\_\_) can be defined as a unit smaller than a process, which can be scheduled and executed.

1. (True or False?)

The operating system manages each and every piece of hardware and software.

1. What is the missing word?

The name for the nucleus of an operating system is the \_\_\_\_\_\_\_.

1. (True or False?)

The Memory Manager, the Interface Manager, the User Manager and the File Manager are the basis of all operating systems.

1. (True or False?)

The Device Manager monitors every device, channel, and control unit.

1. (True or False?)

When the Processor Manager receives a command, it determines whether the program must be retrieved from storage or is already in memory, and then notifies the appropriate manager.

1. (True or False?)

Operating systems with networking capability have a fifth essential manager called the Network Manager that provides a convenient way for users to share resources while controlling users’ access to them.

1. (True or False?)

Networking was not always an integral part of operating systems.

1. (True or False?)

Many networks use a network server to manage the data flowing through the network devices and the resources on a network.

1. What are the missing words?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ typically refers to accessing Web-based applications and data using a personal computer, mobile phone or any other Internet-enabled device.

1. What is the missing word?

Communications hardware includes \_\_\_\_\_\_\_, which are used to connect a computer to the Internet and/or, possibly, other computer networks..

1. (True or False?)

IP addresses and their corresponding domain names are used to identify computers available through the Internet.

1. What is the missing word?

A growing number of college campuses have wireless \_\_\_\_\_\_\_ on campus that allow students to use their PCs to connect wirelessly to the college network and the Internet from anywhere on campus.

1. What is the missing word?

Client-server computing has been evolving for many years and a grouping of systems is often more recently described as a \_\_\_\_\_\_\_.

1. What is the missing word?

Similar to the way an IP address or domain name uniquely identifies a computer on the Internet, a \_\_\_\_\_\_\_ uniquely identifies a Web page.

1. What are the missing words?

To contact people using the Internet, you most often use their \_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the missing word?

There are a number of special Web pages, called \_\_\_\_\_\_\_, available to help you locate what you are looking for on the Internet.

1. What is the missing word?

\_\_\_\_\_\_\_ is an etiquette for guiding online behaviour.

1. What is the missing word?

A \_\_\_\_\_\_\_ database is a database that is under the control of a central database management system (DBMS) in which storage devices are not all attached to a common CPU.

1. What is the missing word?

\_\_\_\_\_\_\_ is a complex system that might require a matching information system to be developed and installed for a large organisation, typically in manufacturing.

1. What are the missing words?

A \_\_\_\_\_\_\_\_\_\_\_\_ is a company that adds features or services to an existing product, then resells it (usually to end-users) as an integrated product or complete "turn-key" solution.

1. What is the missing word?

\_\_\_\_\_\_\_ - technically an input or output operation, depending on which direction the information is going - is increasingly considered the fifth primary computer operation.

1. What is the missing word?

The option for a business organisation to purchase expertise in hardware and/or software and the installation of systems is commonly known as \_\_\_\_\_\_\_.