

Tutorial letter 101/3/2018

END USER COMPUTING THEORY 1

EUC1501

Semesters 1 & 2

School of Computing

IMPORTANT INFORMATION:

This tutorial letter contains important information
about your module.

BAR CODE

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1. INTRODUCTION

Dear Student

Welcome to End User Computing 1(Theory) Module. This is a semester module that is presented by School of Computing (College of Science, Engineering and Technology)

A WORLD OF COMPUTERS: In modern society, computers already play such a major role in our daily lives that we accept their use as a matter of course.

Computers are everywhere at work, at school and at home:

In the workplace, employees use computers to create correspondence such as e-mail messages, memos and letters; manage calendars; calculate payroll; track inventory; and generate invoices

At school, teachers use computers to assist with classroom instruction. Students complete assignments and conduct research on computers in lab rooms, at home or elsewhere. Instead of attending class on campus, some students take entire classes directly from their computer.

At home or while on the road, people use computers to manage schedules and contacts, listen to voice mail messages, balance cheque books, pay bills, transfer funds and buy or sell stocks. People also spend hours of leisure time using computer. They play games, listen to music or radio broadcasts, watch or compose videos and movies, read books and magazines, share stories, research genealogy, retouch photos and reserve vacations.

As technology continues to advance, computers have become a part of everyday life. Thus, many people believe that computer literacy is vital to success in today's world

Computer literacy, also known as digital literacy, involves having a current knowledge and understanding of computers and their uses. Because the requirements that determine computer literacy changes as technology changes, you must keep up with these changes to remain computer literate. This module presents knowledge you need to be computer literate today.

We hope this module will open up a whole new world for you. We bid you a hearty welcome and wish everything of the best for your studies this semester

Regards

The EUC1501 Lectures

2. PURPOSE OF AND OUTCOMES FOR THE MODULE

2.1 Purpose

This module will enable students to become computer literate end-users of office automation in an efficient, legal and social responsible manner, and engage in the fundamental introductory knowledge, skills and values of ethically and appropriately using computer communication, equipment, software, and networks at home and in business. Qualified students will be able to use a personal computer with common end-user office automation software at a basic level of competency to accomplish common daily occupational tasks dependent on end-user computing in a legal, ethical and social responsible manner to the benefit of society.

2.2 Outcomes

After completion of the module, a student should be able to:

- Understand basic information technology concepts and will be equipped with basic knowledge, skills and values
- Apply foundations of information systems in homes and businesses
- Analyze information technology components, which include hardware and software
- Demonstrate the understanding of networks, communications and internet fundamentals
- Give an overview of business information systems
- Describe security, ethics and privacy issues in information systems

3. LECTURER(S) AND CONTACT DETAILS

3.1 Lecturer(s)

The lecturers for each module and their contact details are updated every year and will be given to you in tutorial letter 301 or tutorial letter 302. These letters are issued by the School of Computing and not by individual lecturers. It will be posted to you and will also be uploaded on myUnisa. The tutorial letter will include up to date contact details of your lecturers (E-mail addresses, telephone numbers and office numbers), and the days and times s/he is available. To find out your lecture's details on myUnisa, go to your specific module (EUC1501) and then go to the link "OFFICIAL STUDY MATERIAL". Tutorial letters will be uploaded there. Please note that your lecturer is only available for **academic** queries, such as enquiries about this module's academic content. The lecturer CANNOT answer administrative enquiries such as "Did you receive my assignment? What is my assignment result? Where are the assignment boxes? Etc. Please use EUC1501@unisa.ac.za to email your lecturers with any concerns you might have or any enquiries related to this module.

You might also want to write to your lecturer. Letters should be sent to:

Lecturer's name or Lecture: EUC1501

School of Computing

University of South Africa

PO Box 392

UNISA

0003

Letters to lecturers must not be enclosed with or inserted into assignments

Lecturer's contacts

Adhere to the days and times that a lecturer is available for telephone calls

This information will be communicated to you later in a tutorial letter

Appointment

Please note that: a lecturer will not attend to any student without an appointment

Please make an appointment with your lecturer via some means of correspondence

If you turn up to your lecturer's office without an appointment you will be turned away

3.2 Department

The module is offered by the School of Computing (SoC) which is part of the College of Science, Engineering and Technology (CSET). You can contact the School on:

- Secretary at Florida campus (JHB): 011 471 2816
- Home page of School of Computing <http://www.cs.unisa.ac.za>

3.3 University

If you need to contact the University about matters not related to the content of this module (administrative queries), please refer to my Studies @ Unisa for all other relevant contact details. This publication contains information on how to contact the University (e.g. to whom you can write for different queries, important telephone and fax numbers, addresses and details of the times certain facilities are open)

4. MODULE-RELATED RESOURCES

4.1 Prescribed books

You ***MUST buy*** the prescribed book; it will ***not be supplied*** by UNISA. To find out which prescribed book we will be using you need to log on to the *myUnisa* website and click on the link that says “*Prescribed Book*”. You can also have a look at the “*Discussion Forum*” on *myUnisa* for guidance as to where the book is available and at what price. On the *myUnisa* home page is a link to *e-Bookshop* where you may advertise or purchase second-hand books. Just make sure you buy the correct edition!

Title of the prescribed book: Discovering Computers Enhanced: Tools, Apps, Devices and the impact of Technology (2017)

Authors: Vermaat, ME; Sebok, SL; Freund, SM; Campbell, JT & Frydenberg, M

Publisher: CENGAGE LEARNING

ISBN No: 978-1-305-65745-8

DO THE FOLLOWING:

Buy your prescribed book as soon as possible to avoid delays in your study programme

Please consult the list of official booksellers and their addresses listed in myStudies @ Unisa

DO NOT DO THE FOLLOWING:

- Contact your lecturer if you cannot find the prescribed book
- Contact assignment department because you do not have the book

Please note that there are no recommended books and e-reserves for this module

5. STUDENT SUPPORT SERVICES FOR THE MODULE

Unisa offers online tutorials (e-tutoring) to students registered for modules. You will be allocated to an e-tutor who will be your tutorial facilitator as well as to a group of students with whom you will be interacting during the tuition period. Thereafter, you will receive sms informing you about your group, the name of your e-tutor, and instructions on how to log onto myUnisa in order to receive further information on the e-tutoring process. If you login onto myUnisa, you will notice that your group site has been added there and your tutor will be able to assist you there. For example, if you were allocated to group 4, the group site will be named EUC1501-18-S1-4E.

You can use the discussion forum to discuss module content issues with your tutor, as well as with students belonging to that group. You will also find the contact details of your e-tutor and if you have content-related problems (that is, problems related to your module, that you do not understand), please contact your e-tutor.

You should contact your lecturer only if your e-tutor cannot help you.

Please note that online tutorials are conducted by qualified e-tutors who are appointed by Unisa, and are offered free of charge. All you need to be able to participate in e-tutoring is a computer with Internet connection. Face to face tutors are also available to students at some of the Unisa regional offices. These tutorials are also offered free of charge, however, it is important for you to register at your nearest Unisa Regional Centre to secure attendance of these classes.

Free computer and internet access

Unisa has entered into partnerships with establishments (referred to as Telecentres) in various locations across South Africa to enable you (as a Unisa student) free access to computers and the Internet. This access enables you to conduct the following academic related activities: registration; online submission of assignments; engaging in e-tutoring activities and signature courses; etc. Please note that any other activities outside of these are for your own costing e.g. printing, photocopying, etc. For more information on the Telecentre nearest to you, please visit www.unisa.ac.za/telecentres.

Communication with the University with Administrative Issues

You need to contact the **administrative department** (not the Lecturer) of the university directly, should you have any questions related to the topics listed below:

- address changes
- cancellations
- examination admission
- examination venues
- exemptions
- financial questions
- prescribed books
- study material
- study methods

Information regarding all these matters can be located on the Unisa website: <http://www.unisa.ac.za>

VERY IMPORTANT – Always have your student number at hand when contacting the university and write your student number and a short description of the message in the subject line, when sending an e-mail

6. MODULE-SPECIFIC STUDY PLAN

Please use myStudies@Unisa brochure for general time management and planning skills. Use the module specific study plan below to plan your studies for EUC1501

Please note that it is a semester module- so time is very short! **Start Now!!**

FIRST SEMESTER:

Date	Activity	Due date
1 Feb-09 March 2018	Read tutorial letter 101 and chapter 1 of the textbook Complete & submit assignment 1	14 March 2018
15 March – 13 April 2018	Study chapters 1-11 in the prescribed textbook. Complete & submit assignment 2	18 April 2018
19 April – May 2018	Revise and study chapters 1-11 in the prescribed text book as preparation for the exam	_____
May/June 2018	Write exam and date will be communicated to you by Unisa Exam department	_____

You will have to draw up a study plan/timetable for yourself according to the schedule and then stick to it. This is very important as there is no time in the semester system to catch up if you've fallen behind.

SECOND SEMESTER

Date	Activity	Due date
1 July -10 Aug 2018	Read tut letter 101 and chapter 1 of the textbook Complete & submit assignment 1	14 August 2018
15 Aug – 14 Sept 2018	Study chapters 1-11 in the prescribed textbook. Complete & submit assignment 2	18 Sept 2018
19 Sept – Oct 2018	Revise and study chapters 1-11 in the prescribed text book as preparation for the exam	_____
Oct/Nov 2018	Write exam and date will be communicated to you by Unisa Exam department	_____

7. MODULE PRACTICAL WORK AND WORK-INTEGRATED LEARNING

No practical work in this module. Assignments and exams are of a theoretical nature and need to be completed on mark reading answer sheet that will be provided to the student

8. ASSESSMENT**8.1 Assessment plan**

You will also be required to complete assignments for this module. Assignments are seen as part of the learning material for this module. When you do an assignment, study the prescribed textbook or discuss the work with fellow students or tutors. Looking at the assessment criteria given for each assignment will help you to understand what is required of you more clearly.

It is **your** own responsibility to complete the assignments in time and submit it on or before the due date. The due dates are available on myUnisa under the schedule and please remember that the due date is the date on which the assignment must reach Unisa. Keep possible delays caused by postal services in mind! If you are not submitting your assignment electronically, you have to post it **before** due date. You will only be allowed to submit the assignments once.

Assessment criteria for this module

There are 2 assignments for each semester of this module and all assignments are multiple choice assignments

Very important: Assignment 1 is compulsory and you will not be granted exam admission if you do not hand in assignment 1 on time

Assignment 2 is not compulsory **but** it counts a lot towards your year mark. We therefore strongly encourage you to submit assignment 2 on time.

Assignment 1: Counts 20% to your year mark

Assignment 2: Counts 80% to the year mark

Your “year mark” counts 20% of your final mark, and your exam mark counts 80% of your final mark. However, if you get less than 40% in the exam, then your year mark does not contribute towards your final mark at all

8.2 General assignment numbers

Assignments are numbered consecutively per module, starting from 01. Thus for this module you will have assignment 01 and 02

8.2.1 Unique assignment numbers

Please note that each assignment has a unique number that must be filled in on the mark reading sheet.

Number	Unique No: Assignment 1	Unique No: Assignment 2
Semester 1	770935	875900
Semester 2	707548	689641

8.2.2 Due dates for assignments

First semester

Number	Study material to use	Due date	Contribution to year mark
Assignment 1	Tutorial 101 and chapter 1 of the textbook	14 March 2018	20%
Assignment 2	Chapters in the textbook: 1-11	18 April 2018	80%

Second semester

Number	Study material to use	Due date	Contribution to year mark
Assignment 1	Tutorial 101 and chapter 1 of the textbook	14 August 2018	20%
Assignment 2	Chapters in the textbook: 1-11	18 September 2018	80%

Please do not contact us for extension on assignments due dates. Assignments that are posted at a regional campus must be posted at least 2 working days (48 hours) before the due dates. **Please note that it is your responsibility to make sure that your assignments reach the University.** Do not contact us for exam admission if you have not submitted assignment 1 in time-it will not be granted

8.3 Submission of assignments

You may submit your assignment on a mark- reading sheet by post or through mobile MCQ submission or electronically via myUnisa. Assignments may not be submitted by fax or e-mail. For detailed information on assignments, please refer to my Studies@ unisa brochure, which you received with your study package. Enquiries about assignments must be addressed to the Assignment Section (see **my Studies @ Unisa**) and your assignments must have precisely the *same number* as those specified in this tutorial letter. Solutions of assignments will be available for download on myUnisa after the due date of the assignment. Submission of an assignment via myUnisa:

- Go to myUnisa, and log in with your student number and password.
- Select the module.
- Click on assignments in the left-hand menu.
- Click on the assignment number you want to submit.
- Follow the instructions on the screen

Please refer to the UNISA publication my studies@ unisa on what you should do if your assignment not showing as received. The lectures for this module will ONLY assist you:

- Within two weeks of the assignment due date
- If the solution (memo) of the compulsory assignment has not been released. If it has been released via myUnisa then the lecturer will be unable to assist

Late assignments

It is essential that you send in an assignment in time to meet the deadline date. If you fail to do this, the assignment will not be marked. By not handing in compulsory assignment 1 you will forfeit your exam admission

Assignment results

Do not contact the lecturer for assignment marks. Check on myUnisa and any requests for assignments marks via e-mail, fax or telephone will be ignored. Please note that the assignments will only be marked 2 weeks after the due date irrespective of when you submitted

8.4 Assignments

Assignment 1 for FIRST SEMESTER

Due date	14 March 2018
Study material	Tutorial letter 101(This TUT letter) and chapter 1 of the textbook
Submission procedure	Mark- reading sheet or electronically via myUnisa or via mobile MCQ submission
Number of questions	10
Unique Assignment Number	770935

Question 1

The main purpose of this module is to:

1. Provide you with practical computing skills
2. Provide you with the theoretical knowledge to be computer literate
3. Teach you the basic of programming
4. Teach you how to use windows and Microsoft software

Question 2

When you have an academic related query, you should first contact_____

1. The PA of the School of Computing
2. Your lecture
3. Your e-tutor
4. The registrar

Question 3

To get the exam admission, a student:

1. Only has to register for the module and s/he gets admission to the examination
2. Need to complete and submit assignment 1 before the due date
3. Need to complete and submit assignment 2 before due the date
4. Must submit both assignment 1 and 2 before the relevant due dates

Question 4

Jane got 60% for assignment 1, and 50% for assignment 2. Her year mark, as a percentage, is:

1. 52%
2. 54%
3. 60%
4. None of the above

Question 5

A collection of unprocessed items, which can include text, numbers, images, audio and video is called_____

1. Data
2. Instructions
3. Programs
4. Information

Question 6

The _____controls how you enter data and instructions and how information is displayed on the screen

1. Desktop app
2. User interface
3. Image viewer
4. File manager

Question 7

Harry got 40% for assignment 1, and 70% for assignment 2. He then got 40% in the exam. His final mark is:

1. 45%
2. 43%
3. 48%
4. None of the above

Question 8

A _____ is recorded media that users can download or stream to a computer or portable media player

1. Wiki
2. Media player
3. Blog
4. Podcast

Question 9

A computer dedicated to providing one or more services to other computers or devices on a network is called _____

1. Desktop
2. Laptop
3. Mobile computer
4. Server

Question 10

A duplicate of content on a storage medium that you can use in case the original is lost, damaged or destroyed is called _____

1. Storage media
2. Cloud Computing
3. Backup
4. Downloading

Assignment 2 for FIRST SEMESTER

Due date	18 April 2018
Study material	Prescribed text book :Chapter 1-11
Submission procedure	Mark-reading sheet or electronically via myUnisa or via Mobile MCQ submission
Number of questions	40
Unique assignment number	875900

Question 1

Which of the following are types of personal computers?

- a. Laptop
- b. Smartphone
- c. Tablet
- d. Desktop

Options:

- 1. a and b only
- 2. a and c only
- 3. a, c and d only
- 4. All of the above

Question 2

A set of programs that coordinates all the activities among computers or mobile device hardware is called _____

- 1. Operating system
- 2. System unit
- 3. Server
- 4. Program

Question 3

A _____ specifies the kind of data a field can contain and how the field is used

- 1. Data type
- 2. Data file
- 3. Primary key
- 4. Data character

Question 4

A program that acts without user's knowledge and deliberately alters the operations of computers and mobile devices is called_____

1. Search engine
2. Firewall
3. Browser
4. Malware

Question 5

The goal of_____ is to incorporate comfort, efficiency and safety in the design of the workplace

1. Ergonomics
2. Feasibility
3. Social engineering
4. Suitability

Question 6

An informal web site consisting of time-stamped articles in a diary or journal format, usually listed in reverse chronological order is called_____

1. Web 2.0
2. Blog
3. Web application
4. Portal

Question 7

A unique combination of characters such as letters of the alphabet or numbers that identifies one specific user is called_____

1. Password
2. Username
3. Access control
4. Audit trail

Question 8

A tool that reorganizes the files and unused space on a computer's hard disk so that the operating system access data more quickly and programs run faster is called_____

1. Disk clean up utility
2. Disk formatter
3. Disk defragmenter
4. File compression utility

Question 9

The _____controls how you enter data and instructions and how information is displayed on the screen

1. Desktop app
2. User interface
3. Image viewer
4. File manager

Question 10

A program or set of instructions in program that allow users to bypass security controls when accessing a program, computer or network is called_____

1. Zombie
2. Distributed DoS attack
3. Back door
4. Spoofing

Question 11

A_____ is another type of desktop that does not have a tower and instead houses the display, system unit and possibly an optical drive in the same case

1. Laptop
2. Tablet
3. All-in-one
4. Server

Question 12

A security risk that occurs when cyber thieves exploit Bluetooth devices that have been paired is called_____

1. Capping
2. Blue bugging
3. Throttling

4. IP hijacking

Question 13

A type of a printer that forms characters and graphics on a piece of paper without actually contacting the paper is called _____

1. Laser printer
2. Inkjet printer
3. Non-impact
4. Plotter

Question 14

With a _____ users interact with menus and visual images by touching, pointing, tapping or clicking buttons and other objects to issue commands

1. Graphical user interface (GUI)
2. Operating system
3. Natural user interface (NUI)
4. Command-line interface

Question 15

Bluetooth technology uses _____ to transmit data between two Bluetooth-enabled computers or devices

- 1 Cables
2. USB hub
3. Radio signals

Question 16

The kernel is a _____, which means it remains in memory while the computer or mobile device is running

1. Memory resident
2. ROM chip
3. Nonresident
4. RAM chip

Question 17

A _____ is a network of several servers together in a single location

1. Tower server
2. Rack server
3. Server farm
4. Blade server

Question 18

An external device that provides connections to peripheral devices through ports build into the device is called _____

1. Universal serial bus port
2. Port replicator
3. Docking station
4. Connector

Question 19

With private key encryption, also called _____ both the originator and the recipient use the same secret key to encrypt and decrypt the data

1. Plaintext
2. Cipher
3. Encryption key
4. Symmetric key encryption

Question 20

A copyrighted software provided at no cost by an individual or a company that retains all rights to the software is called _____

1. Shareware
2. Open source software
3. Freeware
4. Public- domain software

Question 21

A set of rules that defines how webpages transfer on the Internet is called _____

1. Web 2.0
2. Top-level domain
3. Hypertext transfer protocol
4. IPv4

Question 22

With _____, the same phone line that could carry only one computer signal now can carry three or more signals at once through the same line using a technique called multiplexing

1. FTTP
2. RFID
3. ISDN
4. T-carrier lines

Question 23

A Trojan horse is a _____

1. Program that hides to a computer and allows someone from a remote location to take full control of the computer
2. Security measure that defines who can access computer, when they can access it and what actions they can take when accessing the computer
3. Destructive program that hides within or looks like a legitimate program
4. None of the above

Question 24

An assault whose purpose is to disrupt computer access to Internet service such as the web or email is referred to as _____

1. Zombie
2. DoS attack
3. Back door
4. Spoofing

Question 25

Which of the following is NOT an advantage of fiber-optic cables over cables that use wire such as twisted pair and coaxial cables?

1. Faster data transmission
2. Bigger size
3. Less susceptible to noise (interference) from other devices such as copy machine
4. Capability of carrying significantly more signals than wire cables

Question 26

The amount of data, instructions and information that can travel over transmission media sometimes is called _____

1. Broadband
2. Bandwidth
3. Latency
4. Transmission

Question 27

A(n) _____ is the code of acceptable behaviors users should follow while on the internet

1. Emoticons
2. Phishing
3. E-mail filtering
4. Netiquette

Question 28

A mobile service provider is sometimes called _____

1. Wireless data provider
2. WiFi
3. Cellular radio
4. Bluetooth

Question 29

Printers, Monitors, Speakers and Projectors are all types of _____ devices.

1. Output
2. Storage
3. Input
4. Mobile

Question 30

An internet service that provides remote storage to computer users is called _____

1. Bluetooth
2. Cloud storage
3. Solid-state drive
4. Web server

Question 31

A(n) _____ is a program that finds Web sites, Web pages, images, maps and other information related to a specific topic.

1. Browser
2. Search engine
3. Server
4. Subject directory

Question 32

Which of the following are types of operating system user interfaces?

- a. Graphical
- b. Command line
- c. Multitasking

Options:

1. a and c
2. a and b
3. b and c
4. All of the above

Question 33

Which of the following types of digital phone lines carries multiple signals over a single communications line?

1. FTTP
2. Cable
3. T-Carrier
4. DSL

Question 34

A text-based name that corresponds to the IP address of a server that hosts a website is called _____

1. Personal identification number(PIN)
2. Domain name
3. Username
4. Passphrase

Question 35

With a _____, by contrast, the content of the webpage generates each time a user displays it

1. Dynamic webpage
2. Web server
3. Browser
4. Static webpage

Question 36

The process of transferring files from your computer or mobile device to a server on the internet is called _____

1. Uploading
2. Downloading
3. File transfer
4. Media sharing

Question 37

An _____ is a tool that allows users to display, copy and print the contents of a graphics files such as a photo

1. Image viewer
2. Search tool
3. File manager
4. Folder

Question 38

The term _____ refers to online or internet –based illegal acts such as distributing malicious software or committing identity theft

1. Computer crime
2. Cybercrime
3. Cyberwarfare
4. Cyberterrorism

Question 39

Which of the following are examples of wireless communications technologies?

- a. Wi-Fi
- b. Bluetooth
- c. GPS
- d. Cellular radio

Options:

- 1. a and b
- 2. a, b and d
- 3. b and d
- 4. All of the above

Question 40

Which of the following cable is made of a single copper wire surrounded by at least three layers of plastic outer coat, braided metal and insulating material?

- 1. Coaxial cable
- 2. Fibre-optic cable
- 3. RJ-45 cable
- 4. Twisted pair

Assignment 01 for SECOND SEMESTER

Due date	14 August 2018
Study material	Tutorial letter 101(This tut letter) and chapter 1 of the textbook
Submission procedure	Mark-reading sheet or electronically via myUnisa or via Mobile MCQ submission
Number of questions	10
Unique assignment Number	707548

Question 1

The main purpose of this module is to:

- 1. Provide you with practical computing skills
- 2. Provide you with the theoretical knowledge to be computer literate
- 3. Teach you the basics of computing
- 4. Teach you how to use Windows and Microsoft software

Question 2

Select the correct statement:

1. There is no textbook for this module, student have to find the study material on the internet
2. Unisa provides the textbook for this module
3. The student has to buy the textbook for this module
4. There is no textbook for this module, just a study guide

Question 3

The _____ will provide you with examination venues, dates and examination times.

1. Lecturer
2. Secretary of the school of computing
3. Examination department
4. Principal

Question 4

The _____ controls how you enter data and instructions and how information is displayed on the screen

1. Desktop app
2. User interface
3. Image viewer
4. File manager

Question 5

Marry got 50% for assignment 1 and 60% for assignment 2. Her year mark, as a percentage, is:

1. 58%
2. 50%
3. 60%
4. None of the above

Question 6

Mark got 100% for assignment 1, and 80% for assignment 2. He then got 70% in the exam. His final mark is:

1. 73%
2. 70%
3. 64%
4. 100%

Question 7

A website is _____

1. The sources of a Web page
2. The location from where a Web page originates
3. A collection of related Web pages and associated items stored on a web server
4. An author of a web page

Question 8

Which of the following is NOT an example of an input device?

1. Display
2. Scanner
3. Keyboard
4. Microphone

Question 9

An _____ is another type of desktop that does not contain a tower and instead uses the same case to house the display and the processing circuitry

1. Server
2. All-in-one
3. Laptop
4. Note book computer

Question 10

A(n) _____ is a computer that can perform all its input, processing, output and storage activities by itself

1. Super computer
2. Embedded computer
3. Server
4. Personal computer

Assignment 02 for SECOND SEMESTER

Due date	18 Sept 2018
Study Material	Prescribed textbook :Chapter 1-11
Submission procedure	Mark-reading sheet or electronically via myUnisa or via Mobile MCQ submission
Number of questions	40
Unique Assignment Number	689641

Question 1

Which of the following are components of the Central Processing Unit (CPU) _____?

- System unit
- Arithmetic logic unit (ALU)
- Control Unit

Options:

- a and b
- a and c
- b and c
- All of the above

Question 2

The process of starting a computer or mobile device from a state when it is powered off completely is known as_____

- Warm boot
- Booting
- Cold boot
- Plug and go

Question 3

A software that finds websites, webpages, images, videos, news, maps and other information related to a specific topic is called_____

- Firewall
- Search engine
- Browser
- Malware

Question 4

The first three steps (in the correct order) in the machine cycle are:

1. Fetching, decoding, executing.
2. Decoding, fetching, executing.
3. Input, process, output.
4. Input, process, store

Question 5

A website that enables members to organize, tag and share links to media and other online content is called _____

1. Media sharing site
2. Bookmarking site
3. Web server
4. Web 2.0

Question 6

With _____, the operating system allocates a portion of a storage medium such as a hard drive or a USB flash drive to function as additional RAM

1. Spooling
2. Virtual memory
3. Natural interface
4. Command-line interface

Question 7

When the computer's power is turned off, _____ loses its content

1. Non-volatile memory
2. Flash memory
3. ROM
4. Volatile memory

Question 8

A storage device that contains one or more inflexible, circular platters that use magnetic particles to store data, instructions and information is called a _____

1. Hard disk
2. Solid-state drives(SSD)
3. DVD drive

4. Hard drive

Question 9

A specific named location on a storage medium that contains related files is called _____

1. Desktop app
2. Image viewer
3. Folder
4. File manager

Question 10

Instead of the term port, a _____ is used to identify audio and video ports

1. Connector
2. User interface
3. Software
4. Jack

Question 11

Which of the following is NOT an example of communications device?

1. Modems
2. Wireless access points
3. Network
4. Routers

Question 12

A legal agreement that permits users to install the software on multiple computers, usually at a volume discount is called _____

1. Site license
2. Network license
3. Single-user license agreement
4. Software license

Question 13

A push notification, sometimes called _____ is a message that initiates from sending location without a request from the receiver

1. Multimedia message service
2. Server push
3. Text messaging service
4. Common short code (CSC)

Question 14

With a _____, by contrast, receiver requests information from the sending location

1. Server push
2. Text messaging service
3. Pull notification
4. Common short code (CSC)

Question 15

A device you connect to a computer or mobile device to expand its capabilities is referred to as _____

1. Peripheral device
2. Bluetooth
3. Wi-Fi
4. Storage device

Question 16

A nonimpact printer that forms characters and graphics by spraying tiny drops of liquid ink onto piece of paper is called _____

1. Laser printer
2. Inkjet printer
3. Dot-matrix printer
4. Plotter

Question 17

A _____ is equals to approximately one billion bytes

1. Kilobyte
2. Megabyte
3. Terabyte
4. Gigabyte

Question 18

With a _____, by contrast, the content of the webpage generates each time a user display it

1. Static webpage
2. Dynamic webpage
3. Website
4. Web 2.0

Question 19

A website that encourages members in its online community to share their interests, ideas, stories, photos, music and videos with other registered users is called _____

1. Media sharing site
2. Facebook
3. Social networking site
4. Bookmarking site

Question 20

A(n) _____ is a socket on a desktop or server motherboard that can hold an adapter card

1. Adapter board
2. Expansion card
3. Expansion slot.
4. Sound card

Question 21

In the encryption process, the unencrypted, readable data is called _____.

1. Signature
2. Cipher text
3. Plaintext
4. Compressed

Question 22

Which one of the following is NOT an example of more used desktop operating system?

1. Windows
2. Mac OS
3. UNIX
4. Android

Question 23

A _____ occurs when an operating system spends much of its time paging, instead of executing application software

1. Tethering
2. Pairing
3. Throttling
4. Thrashing

Question 24

The process called _____, sends documents to be printed to a buffer instead of sending them immediately to the printer

1. Spooling
2. Paging
3. Buffering
4. Throttling

Question 25

The practice of sharing or pooling computing resources such as servers and storage devices

1. Server farm
2. Virtualization
3. Cloud computing
4. Ergonomics

Question 26

A _____ is a separate area of a hard drive that holds the infected file until the infection can be removed

1. Antivirus program
2. Quarantine
3. Rootkit
4. Firewall

Question 27

A _____ is a hardware and/or software that protects a network's resources from intrusion by users on another network such as the Internet

1. Firewall
2. Rootkit
3. Antivirus
4. Online security service

Question 28

Which of the following is NOT an example of NFC-enabled devices?

1. Digital cameras
2. Computers
3. Televisions
4. Routers

Question 29

A _____ allows developers to create, test and run their solutions on a cloud platform without having to purchase or configure the underlying software and hardware

1. Storage as a service
2. Cloud services
3. Platform as a service (PAAS)
4. Software as a service (SaaS)

Question 30

The number of horizontal and vertical pixels in a display is called _____

1. Resolution
2. Bandwidth
3. Megapixels
4. Broadband

Question 31

A _____ occurs when one consumer sells directly to another such as in an online auction

1. Business -to-business (B2B)
2. Consumer-to-consumer (C2C)
3. Business -to-consumer (B2C)
4. Mobile Commerce

Question 32

Someone who accesses a computer or network illegally is called a _____

1. Script kiddie
2. Hacker
3. Intruder
4. Cracker

Question 33

The process of transferring data in a continuous and even flow that allows users to access and use a file while it is transmitting is called _____

1. Copying
2. Running
3. Downloading
4. Streaming

Question 34

The core of a _____ consists of dozens or hundreds of thin strands of glass or plastic that uses light to transmit signals

1. Coaxial cable
2. Twisted pair cable
3. Fibre-optic cable
4. Infrared

Question 35

A _____ occurs when a network reduces upload and download speeds of certain high – data users at peak times in order not to tie up network resources for a small pull of users

1. Downloading
2. Capping
3. Defragmenting
4. Throttling

Question 36

Which of the following are the advantages of SSDs over traditional (magnetic) hard disks?

- a. Lighter weight
- b. Faster transfer rates
- c. More power consumption

d. Faster access times (can be more than 100 times faster)

Options:

1. a and c only
2. a, b, and d only
3. b, c and d only
4. All of the above

Question 37

A(n)_____ is a type of storage medium that consist of a flat, round portable disc made of metal, plastic and lacquer that is written and read by a laser

1. Hard disc
2. Storage disc
3. Optical disc
4. CD-ROM

Question 38

A_____ is a network that covers a large geographic area such as city, country or the world, using a variety of wired and wireless transmission media

1. Wide area network(WAN)
2. Local area network(LAN)
3. Personal area network(PAN)
4. Metropolitan area network(MAN)

Question 39

A program called_____ intercepts documents to be printed from the operating system and places them in the queue

1. Buffer
2. Print spooler
3. Performance monitor
4. Device driver

Question 40

A central communication device that allows computers and devices to transfer data wirelessly among themselves or to a wired network using wireless technologies such as Wi-Fi

1. Wireless router
2. Broadband router
3. Router
4. Wireless access point

9. OTHER ASSESSMENT METHODS

There are no other assessment methods for this module

10. EXAMINATION

General examination guidelines and examination preparation guidelines can be found in my *Studies @ Unisa* brochure. The examination section will provide you with information regarding the examination in general, examination venues, examination dates and examination times

Examination period

This module is offered in a semester period of fifteen weeks.

- This means that if you are registered for the first semester you will write the examination in May/June 2018
- If you are registered for the second semester you will write the examination in October/November 2018

YOUR FINAL EXAMINATION PAPER

- The length of the exam will be 2 hours
- Your exam timetable which will state the module code, the time and venue of the examination, will be posted to you from the exams department
- You may also go to the EXAMINATION link found on the left panel on myUnisa to find out when you are scheduled to write this examination paper

EXAMINATION GUIDELINES

You will receive exam guidelines for the module in the tutorial 102 or 103 which will outline the format of the exam question paper.

This tutorial letters contains the “scope” of the exam. It will also be available on myUnisa under your module code. **Please do not e-mail or telephone your request for examination guidelines. We do not give “exam tips”**

CALCULATION OF THE FINAL MARK

Your final mark for the module will be calculated as follows:

1. Year mark= (Assignment 01 mark x 20%) + (Assignment 02 mark x 80%)
2. Final mark= (Year mark x 20%) + (Examination mark x 80%)

Example: If you get 70% for assignment 1 and 60% for assignment 2, your

$$\begin{aligned} \text{Year mark} &= 70 \times 20\% + 60 \times 80\% \\ &= 14 + 48 = 64\% \end{aligned}$$

If you then get 45% in the exam, your:

Final mark= $64 \times 20\% + 45 \times 80\%$

= $12.8 + 36 = 48.8$, which will be rounded to 49%

You must get a final mark of at least 50% in order to pass the module

Remember that if a student does not obtain the required subminimum of 40% in the examination, the year mark does not count. In this case the student's final mark is the examination mark

11. FREQUENTLY ASKED QUESTIONS

The *my Studies @ Unisa* brochure contains an A-Z of the most relevant study information

12. SOURCES CONSULTED

Title of the prescribed book: *Discovering Computers Enhanced: Tools, Apps, Devices and the impact of Technology* (2017)

Authors: Vermaat, ME; Sebok, SL; Freund, SM; Campbell, JT & Frydenberg, M

Publisher: CENGAGE LEARNING

ISBN No: 978-1-305-65745-8

13. ADDENDUM

None

14. CONCLUSION

We hope that you learned a lot from studying this module and that you will be successful in the exam

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