UNISA
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EUC1501   (477820)   October/November 2016
REU1501   (498046)

END-USER COMPUTING I (THEORY)

Duration   2 Hours   100 Marks

EXAMINERS
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SECOND   MR OK ABATAN   MR ST MHLONGO

Closed book examination.

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This examination paper consists of 16 pages and a total of 70 multiple choice questions, plus the instructions for the completion of the mark-reading sheet

INSTRUCTIONS.

1   Answer all questions on the mark-reading sheet that you have received
2   Mark only the correct option for each question on the sheet
3   Use a pencil
4   Ensure that you fill in the correct module code and your student number on the mark-reading sheet

*** **ALL THE BEST** ***

Question 1

A(n) _____ address is a combination of a user name and a domain name that identifies a user so he or she can receive Internet mail

1   Postal
2   E-Mail
3   Web
4   Physical

Question 2

A _____ is an online area in which users have written discussions about a particular subject

1   Mailing list
2   Website
3   Blog
4   Newsgroup

Question 3

Any electrical disturbance that can degrade communications is known as _____

1   Noise
2   Troubleshooting
3   Broadband
4   Network architecture

Question 4

A(n) _____ is a private combination of characters associated with a user name that allows access to certain computer resources

1   Secure key
2   CAPTCHA
3   Password
4   ID number

Question 5

A(n) _____ network is a simple, inexpensive network that typically connects fewer than 10 computers

1   Virtual
2   Peer-to-peer
3   Ad-hoc
4   Server-based

[TURN OVER]

Question 6

System software consists of the programs that control or maintain the operations of the computer and its devices System software serves as the interface between which of the following

  a user
  b application software
  c automatic updates
  d computer's hardware

Options

1 a and b only
2 a, b and d only
3 a and c only
4 a, b and c only

Question 7

It is important to not assume that information presented on the Web is correct or accurate Any person, company, or organization can publish a Web page on the Internet, and in some cases, hardly anyone oversees the content of these Web pages Which of the following is **NOT** a criterion when evaluating the accuracy or relevancy of a Website?

  a Currency
  b Audience
  c Affiliation
  d Authority
  e Animation

Options

1 a and b only
2 c only
3 d only
4 e only

Question 8

A _____ is a small version of a larger graphic Usually, a person can click this to display a larger image

1 JPEG
2 Thumbnail
3 PNG
4 Bitmap

Question 9

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

1 Televising
2 Broadcasting
3 Podcasting
4 Streaming

Question 10

Most devices connected to the computer communicate with the processor to carry out a task as depicted in the diagram below
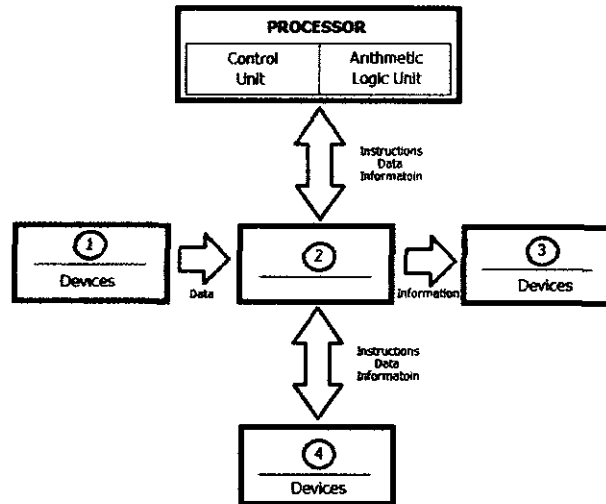
Which is the correct order for the parts labelled 1, 2, 3 & 4 in the depiction above?

1   1 – Memory, 2 – Output, 3 – Storage, 4 – Input
2   1 – Output , 2 – Memory, 3 – Input, 4 – Storage
3   1 – Input , 2 – Memory, 3 – Output, 4 – Storage
4   1 – Storage , 2 – Input, 3 – Memory, 4 – Output

Question 11

Which of the following definitions best defines what a **motherboard** is?

1   It is the main circuit board of the system unit
2   It is a chip with two or more separate processor cores
3   It is a number system that has just two unique digits, 0 and 1, called bits
4   It is a small quartz crystal circuit on which the processor relies

Question 12

Which of the following provides high-speed Internet connection using regular telephone lines?

1   FTP
2   W3C
3   DSL
4   BIOS

Question 13

For certain Internet services to work, it is a requirement that both parties be online at the same time, and the receiver of a message be willing to accept messages Which if the following is such service?

1   E-Mail
2   SFTP
3   Instant messaging
4   Mailing list

Question 14

Which of the following definitions best defines what **multimedia** is?

1   GIF, JPEG, MP3, BMP, PNG & TIFF
2   Multiple uses of non-text information such as drawings and videos
3   The combination of text with graphics, animation, audio, video, and/or virtual reality
4   Listening to music and watching videos at the same time

Question 15

Favorites, also called _____, are links to preferred or frequently visited Websites

1   Google
2   Surfing
3   Bookmarks
4   FAQ

Question 16

A _____ is a navigation system that consists of one or more earth-based receivers that accept and analyze signals sent by satellites in order to determine the receiver's geographic location

1   Geo-positioning system
2   Geographic positioning system
3   Global positioning system
4   Gauteng positioning system

Question 17

_____ is a network standard that specifies no central computer or device on the network (nodes) should control when data can be transmitted

1   Ethernet
2   TCP/IP
3   Wi-Fi
4   Token ring

Question 18

Which of the following is TRUE?

1 A single terabyte is bigger than a single gigabyte
2 A single gigabyte is smaller than a single megabyte
3 A single kilobyte is bigger than a single megabyte
4 A single terabyte is smaller than a single gigabyte

Question 19

Which of the following is FALSE?

1 A single exabyte is bigger than a single petabyte
2 A single yottabyte is smaller than a single petabyte
3 A single zettabyte is bigger than a single exabyte
4 A single zettabyte is smaller than a single yottabyte

Question 20

RAD stands for _____?

1 Rapid and direct
2 Rapid application development
3 Random application development
4 Random and direct

Question 21

Some personal computer manufacturers provide a hard disk configuration that connects multiple smaller disks into a single unit that acts like a single large hard disk A group of two or more integrated hard disks is called a RAID What does the R in RAID stand for?

1 Random
2 Robust
3 Recovery
4 Redundant

Question 22

A _____ is a storage device that typically uses flash memory to store data, instructions, and information

1 Magnetic hard disk
2 Solid state drive
3 Optical disk
4 Tape

Question 23

The process of starting or restarting a computer is called _____

1 Shutting down
2 Scanning
3 Defragmenting
4 Booting

[TURN OVER]

Question 24

Which of the following is **NOT** a stand-alone operating system?

1   Windows 7
2   Mac OS X
3   Symbian OS
4   UNIX

Question 25

A _____ is a utility that causes a display device's screen to show a moving image or blank screen if no keyboard or mouse activity occurs for a specified time

1   Personal firewall
2   Screen saver
3   Microsoft Office
4   Task manager

Question 26

A LAN is a network that connects computers and devices in a limited geographical area such as a home, school computer laboratory, office building, or closely positioned group of buildings What does LAN stand for?

1   Linux area network
2   Licenced area network
3   Limited area network
4   Local area network

Question 27

Which of the following is NOT a network topology?

1   Star network
2   Bus network
3   Van network
4   Ring network

Question 28

Which of the following is TRUE?

1   To protect against data loss caused by a system failure, computer users should restore files regularly
2   An intranet is an internal network that uses video conferencing technologies
3   The more widely used search engines for personal computers are Internet Explorer, Firefox, Opera, Safari and Google Chrome
4   After swiping a credit card through a magnetic stripe card reader, it reads the information stored on the magnetic stripe on the card

Question 29

WiMAX stands for _____

1   Worldwide Information for Microwave Access
2   Worldwide Interoperability for Metropolitan Access
3   Worldwide Interoperability for Microwave Access
4   Wireless Interoperability for Microwave Access

Question 30

The PSTN is the worldwide telephone system that handles voice-oriented telephone calls What does the S in PSTN stand for?

1   Switched
2   Switch
3   Switching
4   Switcher

Question 31

Which of the following is **NOT** a type of physical transmission media used in communications?

1   Twisted-pair cable
2   Coaxial cable
3   Fiber-optic cable
4   Oil-filled cable

Question 32

A _____ is a huge database that stores and manages the data required to analyze historical and current transactions

1   Data warehouse
2   Document manager
3   Multidimensional database
4   Relational database

Question 33

Which of the following are functions of a database administrator (DBA)?

   a   Creating and maintaining a data dictionary
   b   Managing security of the database
   c   Monitoring the performance of the database
   d   Checking backup and recovery procedures

Options

1   a and c only
2   b and c only
3   a, b and d only
4   a, b, c and d

Question 34

A _____ is a program that copies itself repeatedly, for example in memory or on a network, using up resources and possibly shutting down the computer or network

1   Trojan horse
2   Worm
3   Computer virus
4   Rootkit

Question 35

A _____ is a program that hides within or looks like a legitimate program

1   Trojan horse
2   Worm
3   Computer virus
4   Rootkit

Question 36

A _____ is a program that hides in a computer and allows someone from a remote location to take full control of the computer

1   Trojan horse
2   Worm
3   Computer virus
4   Rootkit

Question 37

A _____ is a potentially damaging computer program that affects, or infects, a computer negatively by altering the way the computer works without the user's knowledge or permission

1   Trojan horse
2   Worm
3   Computer virus
4   Rootkit

Question 38

A _____ is a group of compromised computers connected to a network such as the Internet that are used as part of a network that attacks other networks, usually for nefarious purposes

1   Rootkits
2   Zombie
3   Groupware
4   Botnet

Question 39

In the encryption process, the encrypted data is called _____

1   Signature
2   Ciphertext
3   Certificate
4   Compressed

Question 40

_____ is a program placed on a computer without the user's knowledge that secretly collects information about the user

1   Spyware
2   Spam
3   Adware
4   Cookie

Question 41

Which of the following is FALSE?

1   CD/DVD burning software writes text, graphics, audio, and video files to a recordable or rewritable disc
2   File compression utility shrinks the size of a file(s)
3   You should uninstall files and disks regularly in the event your originals are lost, damaged, or destroyed
4   An antivirus program protects a computer against viruses

Question 42

Which of the following definitions best defines what **terminal** is?

1   A computer, usually with limited processing power, that enables users to send data to and/or receive information from a host computer
2   A type of system software that allows a user to perform maintenance-type tasks usually related to managing a computer, its devices, or its programs
3   Free-standing computer that usually includes a touch screen
4   A Type of high-speed, high-quality nonimpact printer that creates images using a laser beam and powdered ink called toner

Question 43

A(n) _____ is a collection of hardware, software, data, people, and procedures that work together to produce quality information

1   Computing environment
2   Information system
3   Advertising corporation
4   Telecommunications authority

Question 44

A(n) _____ device is any hardware component that conveys information to one or more people

1   Output
2   Storage
3   Scanning
4   Input

Question 45

Which of the following are functions of a systems analyst (SA)?

a   Meet with a variety of people, including vendors, users, and security specialists, amongst others during system development
b   Responsible for security of an organization's data and information
c   Designs and develops enterprise-wide applications for data mining
d   Acts as a liaison between the users and the IT professionals

Options

1   a and b only
2   b and c only
3   c and d only
4   d and a only

Question 46

The system development lifecycle consists of 5 steps as seen in the diagram below
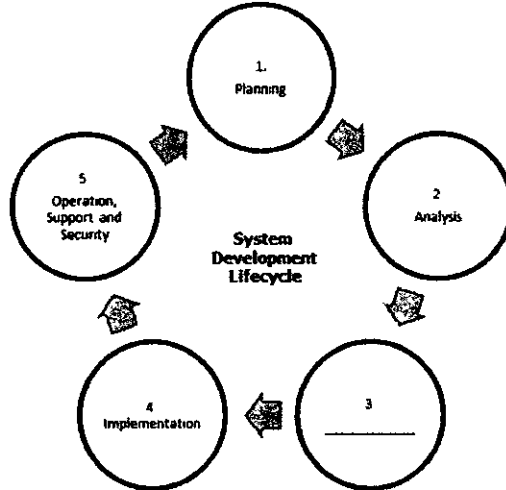
Which of the following best defines step number three (3) in the above diagram?

1   Testing
2   Documentation
3   Design
4   Debugging

Question 47

Project leaders can use project management software to assist them in planning, scheduling, and controlling development projects Which of the following is an example of project management software?

1 Acrobat Reader
2 Gantt Chart
3 Google Docs
4 Microsoft Access

Question 48

Which of the following are examples of storage media?

    a Memory card
    b Processor
    c Optical disc
    d Input device

Options

1 a and b only
2 a and c only
3 a and d only
4 b and c only

Question 49

A Wi-Fi network uses _____ to provide high-speed Internet connections to wireless computers and devices

1 Light waves
2 A thin wire
3 Radio signals
4 Pixels

Question 50

A(n) _____ is a number that uniquely identifies each computer or device connected to the Internet

1 Uniform resource locator
2 Internet *Protocol address*
3 Top-level domain
4 Domain name

Question 51

Application software that allows users to access and view Web pages or access Web 2 0 programs is called a

_____

1 Web site
2 Web crawler
3 Web browser
4 Web server

[TURN OVER]

Question 52

The _____ manages and controls the budget and schedule of the project

1   Project team
2   Steering committee
3   Project leader
4   Project manager

Question 53

In database design, when a record is identified by a combination of two or more fields, this identification key is called
a _____

1   Field key
2   Composite key
3   Foreign key
4   Secondary key

Question 54

A _____ is someone who accesses a computer or network illegal with the intent of destroying data, stealing information, or other malicious action but does not have the technical skills and knowledge

1   Script kiddie
2   Cracker
3   Corporate spy
4   Hacker

Question 55

A _____ is someone who uses the Internet or network to destroy or damage computers for political reasons

1   Cyberextortionist
2   Cyberterrorist
3   Cyberbully
4   Cyberneticist

Question 56

Clock speed is defined as the _____

1   Pace of the system clock, measured by the number of cycles per second
2   Pace of the system clock, measured by the number of bytes per second
3   Pace of the system clock, measured by the number of bits per second
4   Pace of the system clock, measured by the number of ticks per second

Question 57

A(n) _____ is a light-sensing input device that reads printed text and graphics and then translates the results into a form the computer can process

1. Touchpad
2. Stylus
3. Web camera
4. Optical scanner

Question 58

A _____ contains a thin microprocessor embedded in it

1. Magnetic stripe card
2. DVD+RW
3. Smart card
4. Express card

Question 59

_____ is a scam where a perpetrator attempts to obtain a person's personal and financial information via spoofing

1. Phishing
2. Pharming
3. Clickjacking
4. Social engineering

Question 60

_____ is a markup language that enables Web sites to be displayed more easily on microbrowsers in smart phones and other mobile devices, as well as on desktop and notebook computers

1. WML
2. XML
3. XHTML
4. HTML

Question 61

Which of the following is TRUE?

1. Hibernate saves any open documents and programs to a hard disk before removing power from the computer
2. A cold boot is the process of using the operating system to restart a computer
3. A warm boot is the process of powering a computer when it's been powered off completely
4. The CPU is the core of an operating system that manages memory and devices, amongst other functionality

Question 62

One of the co-founders of Apple back in 1976 is _____

1. Linus Torvalds
2. Bob Frankston
3. Dr Ted Hoff
4. Steve Wozniak

Question 63

_____ is a network standard, specifically a protocol, that defines how messages (data) are routed from one end of a network to the other

1   Ethernet
2   TCP/IP
3   Wi-Fi
4   Token ring

Question 64

In Web sites, a _____, usually underlined or somehow highlighted, is a built-in connection to another related Web page or part of a Web page

1   Hyperlink
2   Token
3   Checkbox
4   Menu

Question 65

Which of the following is **NOT** a programming language?

1   Java
2   C#
3   NET
4   C++

Question 66

In computing, PC most commonly stands for _____?

1   Professional courtesy
2   Personal courtesy
3   Professional computer
4   Personal computer

Question 67

A user-interface that is easy to use is considered to be _____

1   User-happy
2   User-simple
3   User-easy
4   User-friendly

Question 68

Which of the following is FALSE?

1   Netiquette is the code of unacceptable behaviors while on the Internet
2   VoIP enables users to speak to other users over the Internet
3   Digital signals consist of individual electrical pulses that represent bits grouped together into bytes
4   Optical discs are written and read by laser light

Question 69

RAM stands for _____ ?

1   Read access memory
2   Regular access memory
3   Random access memory
4   Real access memory

Question 70

ROM stands for _____ ?

1   Real output memory
2   Run-on memory
3   Read-only memory
4   Repeat / observe memory

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EXAMINATION MARK READING SHEET **EKSAMEN-MERKLEESBLAD**

PART 1 (GENERAL/ALGEMEEN) DEEL 1

STUDY UNIT e.g PSY100-X
STUDIE-EENHEID bv PSY100-X ❶

INITIALS AND SURNAME
VOORLETTERS EN VAN ❸

PAPER NUMBER
VRAESTELNOMMER ❷

DATE OF EXAMINATION
DATUM VAN EKSAMEN ❹

EXAMINATION CENTRE (E.G. PRETORIA)
EKSAMENSENTRUM (BV PRETORIA) ❺

STUDENT NUMBER
STUDENTENOMMER ❻ ❼

UNIQUE PAPER NO
UNIEKE VRAESTEL NR ❽ ❾

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For use by examination invigilator

Vir gebruik deur eksamenopsiener

◆

IMPORTANT	BELANGRIK
1 USE ONLY AN HB PENCIL TO COMPLETE THIS SHEET	1 GEBRUIK SLEGS N HB-POTLOOD OM HIERDIE BLAD TE VOLTOOI
2 MARK LIKE THIS ▪▄▪	2 MERK AS VOLG ▪▄▪
3. CHECK THAT YOUR INITIALS AND SURNAME HAS BEEN FILLED IN CORRECTLY	3. KONTROLEER DAT U VOORLETTERS EN VAN REG INGEVUL IS
4 ENTER YOUR STUDENT NUMBER FROM LEFT TO RIGHT	4 VUL U STUDENTENOMMER VAN LINKS NA REGS IN.
6 CHECK THAT YOUR STUDENT NUMBER HAS BEEN FILLED IN CORRECTLY	5 KONTROLEER DAT U DIE KORREKTE STUDENTENOMMER VERSTREK HET
6 CHECK THAT THE UNIQUE NUMBER HAS BEEN FILLED IN CORRECTLY	6. KONTROLEER DAT DIE UNIEKE NOMMER REG INGEVUL IS
7 CHECK THAT ONLY ONE ANSWER PER QUESTION HAS BEEN MARKED	7 MAAK SEKER DAT NET EEN ALTERNATIEF PER VRAAG GEMERK IS.
8. DO NOT FOLD	8 MOENIE VOU NIE.

PART 2 (ANSWERS/ANTWOORDE) DEEL 2

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29  [1] [2] [3] [4] [5]      64  [1] [2] [3] [4] [5]      99   [1] [2] [3] [4] [5]      134  [1] [2] [3] [4] [5]
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31  [1] [2] [3] [4] [5]      66  [1] [2] [3] [4] [5]      101  [1] [2] [3] [4] [5]      136  [1] [2] [3] [4] [5]
32  [1] [2] [3] [4] [5]      67  [1] [2] [3] [4] [5]      102  [1] [2] [3] [4] [5]      137  [1] [2] [3] [4] [5]
33  [1] [2] [3] [4] [5]      68  [1] [2] [3] [4] [5]      103  [1] [2] [3] [4] [5]      138  [1] [2] [3] [4] [5]
34  [1] [2] [3] [4] [5]      69  [1] [2] [3] [4] [5]      104  [1] [2] [3] [4] [5]      139  [1] [2] [3] [4] [5]
35  [1] [2] [3] [4] [5]      70  [1] [2] [3] [4] [5]      105  [1] [2] [3] [4] [5]      140  [1] [2] [3] [4] [5]
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Specimen only