

FACULTY OF MANAGEMENT JANUARY 2015 SPECIAL EXAMINATION

DEPARTMENT OF APPLIED INFORMATION SYSTEMS

MODULE : SYSTEM SOFTWARE 1B

CODE : SSW01B1

DATE : JANUARY 2015 SPECIAL EXAMINATION

DURATION : 2.5 HOURS

TIME : 00:00

TOTAL MARKS : 100

EXAMINER(S) : Mr. G. TOKO

(EXTERNAL) MODERATOR(S): Dr O. Bello

NUMBER OF PAGES : 10

INSTRUCTIONS TO CANDIDATES:

- Scanner sheet [provided] must be used for multiple choice questions.
- This is a closed book assessment.
- Read the questions carefully and answer only what is asked.
- Number your answers clearly.
- Write neatly and legibly
- Structure your answers by using appropriate headings and sub-headings.
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

Section A

[50*0.5]

Multiple Choice

Identify the choice that best completes the statement or answers the question.

1.	A boot allows you to install the new OS	with	out disturbing the old one so you can boot to either OS
	a. dual	c.	controlled
	b. cross	d.	selective
2.	A(n) installation is performed by storing that Windows calls an answer file.	the	answers to installation questions in a text file or script
	a. scripted	c.	unattended
	b. attended	d.	replacement
3.	To view and manually install updates, clicka. Start and Windows Updates b. Start, Windows, and Windows Updates c. Start, All Programs, Accessories, and Windows Updates d. Start, All Programs, and Windows Updates	ıdow	
4.	Files can end up in segments all over the	driv	re.
•	a. blocks		contiguous
	b. fragmented		detached
5.	-	its e	execution before it is finished, you can press to do
	a. Ctrl+Break	c.	Ctrl+B
	b. Ctrl+V	d.	Ctrl+X
6.	The command creates a subdirectory und	ler a	directory.
	a. RD		CD
	b. MD	d.	AD
7.	A dynamic disk requires MB of storage	for th	ne disk management database.
	a. 1	c.	3
	b. 2	d.	4
8.	You can use to convert two or more basi	c dis	ks to dynamic disks.
	a. Disk Management	c.	System Management
	b. Windows Management	d.	Computer Management
9.	If you are having problems with a hard drive, drive that might have been recorded there.	volu	me, or mounted drive, check for events about the
	a. Event Viewer	c.	Event Log
	b. Windows Event Log	d.	Event Log Manager
10.	If your desktop locks up, you can use to	refre	esh it.
	a. Task Manager		Task List Manager
	b. Process Manager		Task and Process Manager
11.	You can use the to find out what process process from loading.	es ar	re launched at startup and to temporarily disable a
	a. System Access Utility	c.	System Stability Utility
	· J		J J

	b. Sys	stem Management Utility	d.	System Configuration Utility		
12.		is a single window that contains one lanagement.	or 1	more administrative tools such as Device Manager or		
	a. sna			view		
	b. add	l-in	d.	console		
13.	In a con	nsole, the individual tools are called	_•			
	a. cor			snap-ins		
	b. add	l-ins	d.	views		
14.	installe	d, and free space on the hard drive.		installed processor and its speed, how much RAM is		
	•	stem Management Utility		System Configuration Utility		
	b. Co	mputer Management Utility	d.	System Information Utility		
15.	installi	ng itself without your knowledge.	iser	s making unauthorized changes and against malware		
	a. UA			UAN		
	b. AA	AC .	d.	UAK		
16.	If a system is giving repeated startup errors or you have just removed several programs, you might want to search through for processes left there by uninstalled or corrupted software that might be giving startup problems.					
	_	istry keys		folders		
	b. file	es	d.	menus		
17.	To retri	To retrieve the last command entered in the Recovery Console, press at the command prompt.				
	a. F1			F3		
	b. F2		d.	F4		
18.		Enter the command to see a list of all services currently installed, which includes device drivers.				
	a. list			lstsvc		
	b. svc	elst	d.	svclist		
19.	To move to the root directory, use the command					
	a. RD			MD \		
	b. CD) \	d.	PD \		
20.	A compressed file uses a(n) as the last character in the file extension.					
	a. und	lerscore	c.	equals sign		
	b. dol	lar sign	d.	dash		
21.	Use the	e command to extract .cab files.				
	a. Res		c.	Expand		
	b. De	compress		Decode		
22.	,					
		mputer Management		Hardware Manager		
	b. Sys	stem Manager	a.	Device Manager		
23.	a. red	or warnings in Device Manager are displ triangle or question mark triangle or yellow question mark	laye	d as a		

	c. yellow triangle or question markd. red question mark or yellow exclamation	n mark				
24.	To uninstall a program, in Device Manager a. left-click	c.	shift+right-click			
	b. right-click	d.	ctrl+right-click			
25.	Use the tool to test memory.					
	a. Memory Diagnostics		Hardware Integrity			
	b. File Checker	d.	Boot Integrity			
26.	Press at startup to display the Advanced Boot Options menu.					
	a. F4		F10			
	b. F8	d.	F12			
27.	To connect to the Internet, a network first co	nnects	to an			
	a. Internet Survey Provider	c.	Interconnection Service Provider			
	b. Internet Service Provider	d.	Instant Service Provider			
28.	For almost all networks today, including the	Intern	et, the communication protocol used is called			
	a. TCP/IP		OSI			
	b. UDP	d.	HTTP			
29.	Apple Computer calls 802.11b					
	a. AeroNet	c.	AirPort Extreme			
	b. AirNet	d.	AirPort			
30	The three main protocols for encryption for 802.11 wireless networks are					
20.	a. AES, DES, and TKIP		WEP, WPA, and TKIP			
	b. WEP, WPA, and WPA2		WPA, AES, and TKIP			
31	The for a cellular network is a fixed transceiver and antenna.					
51.	a. mobile station		base station			
	b. intermediate station		reference station			
22	is a standard for short range wireless a					
32.	a. Bluetooth		nication and data synchronization between devices. 802.11G			
	b. 802.11X		BlueNet			
33.	The command tests connectivity by sending an echo request to a remote computer.					
	a. pong		lightnt			
	b. tstcon	d.	ping			
34.	In order to activate your service, the cable company must know the of the cable modem you have installed.					
	a. IP address	c.	host address			
	b. MAC address	d.	conversion address			
35.	For port forwarding to work, the computer on your network must have a IP Address.					
	a. dynamic	-	static			
	b. converted	d.	realized			
36.	To find out what your DNS server knows ab command.	out the	e domain name www.microsoft.com, use the			

		dig www.microsoft.com fetch www.microsoft.com		nslookup www.microsoft.com nbtstat www.microsoft.com
37.		r the health care industry, the includes re companies and professionals.	regu	plations to secure patient data that apply to all health
	a.	GLB	c.	SOX
	b.	NIST	d.	HIPAA
38.		n) account has read-write access only of no access to other users' data.	on it	s own folders, read-only access to most system folders,
	a.	user		limited
	b.	administrator	d.	privileged
39.		network map is one of the most powers	ful a	nd versatile methods of communicating over a
	a.	access	c.	drive
	b.	interface	d.	control
40.	Mo	ost encryption software products use a metho		
	a.	Private Key Encryption	c.	Shared Secret Encryption
	b.	Symmetric Key Encryption	d.	Public Key Encryption
41.	doc	is a small program contained in a docu cument is first loaded or later by pressing a l multipartite	cey o	t that can be automatically executed either when the combination. polymorphic
		-		1 · 1
	υ.	macro	u.	boot sector
42.		nerally speaking, the weakest link in setting	_	
		the network		people
	b.	the operating system	d.	the hardware
43.	on a motherboard offers security features including power-on passwords, support for intrusion-detection devices, and support for a TPM chip.			
	a.	Software		Blocks
	b.	BIOS	d.	Chipsets
44.	A(n) computer is not allowed to use the network, is put on a different network dedicated to them, or is only allowed to access certain network resources.			
	a.	unrestricted		isolated
	b.	restricted	d.	quarantined
45.	and when it is displayed in a window.			
		root		user
	b.	privileged	d.	executive
46.		recover from a failed hard drive.	e yo	u have a CD containing the installed OS so you
	a.	development	c.	
	b.	management	d.	recovery
47.	cards include one or more variations of PC Card, CardBus, and ExpressCard.			
	a.	PCMCIA	c.	PCM
	b.	Display Port	d.	MCIA

48.	48. In sleep, all work is saved to the hard drive, but the system still maintains a tr	rickle of power.
	a. standby c. pure	
	b. deep d. hybrid	
49.	49 printers tend to smudge on inexpensive paper, and they are slower than laser	printers.
	a. Laser c. Thermal	
	b. Dye-sublimation d. Inkjet	
50.	50. If symbols or other special characters don't print correctly on a laser printer, try us than asking the printer to interpret the characters.	ing printing rather
	a. binary c. image	
	b. text d. decimal	
ection B	n B	
omnlete e	ete each statement.	[25*1]
mpiere e	Answer Bank	
Resp Man dolla	Cross; Scripted; Attended; Fragmented; Event Viewer; Settings; System Restore; Responding; Security log; Memory leak; Delete; sfc / scannow; Windows Event I Manager; System Access Utility; System Management Utility; snap-in; add-in; console lollar sign; Restore; Decompress; Expand; Decode; Device Manager; System Manager; 1. After the virtual machine is set up, you can click in the console to change the	Log; Task Manager; Process s; add-ins; views; underscore;
2.	 configuration of a machine. 2 restores the system to its condition at the time a snapshot was taken of the system to its configuration. 	stem settings and
3.	3. As you work at the command prompt, you can use characters in a filename command applies to a group of files or to abbreviate a filename if you do not know	
4.	4. Space on the disk is marked as if it has not yet been partitioned.	
5.	5. If an application is listed as in the Task Manager Applications tab, you can and clicking the End Task button at the bottom of the window.	end it by selecting it
6.	6. The records events based on audit policies, which an administrator sets to mo as successful or unsuccessful attempts to access a file or log on to the system.	onitor user activity such
7.	7. A(n) is caused when an application does not properly release memory allocat needs and continually requests more memory than it needs.	ted to it that it no longer
0	8 To remove a program from the All Programs menu, right-click it and select f	inom the chemicut many

21.	As a part of managing the security of a computer or network, your organization might make you accountable to fill out a(n) report of unusual or atypical events.
	As part of the authentication process, rather than proving a person is in possession of a token, some systems are set to use data to validate the person's physical body.
	data is information about domain names and their corresponding IP addresses kept by a DNS server.
18.	A(n) can be used to test a cable to find out if it is good or to find out what type of cable it is if the cable is not labeled.
	Port is used to open or close certain ports so they can or cannot be used.
	computers on the local network.
	A router can use redirection to present its own IP address to the Internet in place of IP addresses of
	A(n) cable (also called a straight-through cable) is used to connect a computer to a hub or switch.
	use radio waves or infrared light instead of cables or wires to connect computers or other devices.
	communication uses cable lines that already exist in millions of households.
	The networking industry refers to as a measure of the maximum rate of data transmission.
	The easiest way to view the logs is to boot into Safe Mode and view the files with
10.	To get a clean start with a device, you can it and start over.
9.	To use the SFC utility to scan all system files and verify them, first close all applications and then enter the command in a command prompt window

g. Windows Vista Enterprise

b. Windows XP Tablet PC

- c. Windows Vista Ultimate
- d. Windows Vista Home Basic
- h. Windows XP Home Edition
- i. Windows Vista Home Premium
- e. Windows XP Media Center Edition
- 1. Has the most limited features and is intended to be used in developing nations
- 2. Designed for low-cost home systems that don't require full security and networking features
- Includes additional support for digital entertainment hardware such as video recording integrated with TV input
- 4. Supports 4 GB of memory in the 32-Bit version and does not support the 64-Bit version

Match each term with the correct statement below.

a. Dynamic volumes

b. Virtual memory

c. Defragmenting

d. Backup

f. Chkdsk utility

g. Pagefile.sys

h. Basic disk

i. System state data

- e. Mounted drive
- 5. Rearranges files on the drive into as few segments as possible
- 6. Searches for bad sectors on a volume and recovers the data from them if possible
- 7. Used to enhance the amount of RAM in a system
- 8. A hidden file stored in the root directory of drive C
- 9. The files critical to a successful operating system load
- 10. A volume that can be accessed by way of a folder on another volume so that the folder has more available space
- 11. Can be partitioned and formatted as a stand-alone hard drive

Match each term with the correct statement below.

a. Task Scheduler

b. Event Viewer

g. Gadgets

f. Safe Mode

c. Windows Vista ReadyBoost

h. Computer Management

d. Task Manager

i. Service

- e. Registry
- 12. Lets you view the applications and processes running on your computer as well as information about process and memory performance, network activity, and user activity
- 13. A database designed with a treelike structure that contains configuration information for Windows, users, software applications, and installed hardware devices
- 14. Uses a flash drive or secure digital (SD) memory card to boost hard drive performance
- 15. Loads a minimum configuration of hardware and software
- 16. Can be set to launch a task or program at a future time, including at startup

Match each term with the correct statement below.

a. Rootkit f. Macro viruses

b. File virus
c. Logic bomb
d. Authentication
g. Trojan horse
h. Phishing
i. Authorization

e. Spam

- 17. Proves that an individual is who he says he is and it is accomplished by a variety of techniques
- 18. A type of identity theft where the sender of an e-mail message scams you into responding with personal data about yourself.
- 19. Dormant code added to software and triggered at a predetermined time or by a predetermined event

Match each term with the correct statement below.

a. Port replicator
b. Touch pad
c. Solid State Device
d. Wake on LAN
f. Notebook
g. Hibernation
h. Keyboard
i. Stylus

e. Graphics tablet

- 20. Provides ports to allow a notebook to easily connect to a full-sized monitor, keyboard, AC power adapter, and other peripheral devices
- 21. Use memory chips to hold data, have no moving parts, cost more, use less power, and are more rugged

Match each term with the correct statement below.

a. Windows GDI f. Extension magnet brush

b. Defragmenter
c. Inkjet printer
d. Raw data
g. Laser printer
h. Impact printer
i. Chkdsk

e. Ghosted images

- 22. A type of electrophotographic printer that can range from a small, personal desktop model to a large, network printer capable of handling and printing large volumes continuously
- 23. Creates a printed page by using some mechanism that touches or hits the paper
- 24. Builds the page and then sends it to the printer

Section D [26]

Short Answer

1. Explain hard drive fragmentation.

[2.5]

2. List what you will need to set up a cable modem installation.

[3*0.5]

3. List the directions if you are using a USB cable to connect to your cable modem.

[3*1]

4. List five criteria for a strong password.

[5*0.5]

5. List three ways to lock down your workstation each time you step away from your desk.

[3*1]

6. List and describe four rules that can help you use the Internet responsibly.

[6*0.5]

7. List the steps to add a certificate to an encrypted file.

[2]

8. Discuss the methods to deal with infected or damaged boot sectors or corrupted BIOS code.

[2*1]

- 9. Explain what you should do before attempting to replace or upgrade a component installed in a notebook. [7*0.5]
- 10. Explain how to tell the difference between a Mini PCIe slot and a Mini PCI slot.

[2*1]