840/1
Computer Studies
Paper One

Paper One
Theory
2 ½ hours
August, 2022



JINJA JOINT EXAMINATION'S BOARD (JJEB) UGANDA CERTIFICATE OF EDUCATION

Computer Studies

August 2022

Paper One

 $(\dot{T}heory)$

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

- a) This paper is made up of three Sections A, B and C respectively.
- b) Answer all questions in section A and B
- c) Attempt only one question in Section C.
- Answers in Section A should be written in the box provided against each question.
- Use of relevant examples will lead to bonus marks.

	Track Ch		F	FOR OFFICIAL USE ONLY	ICIAL	USE ON	LY			
MCQ	21	22	23	24	25	26	27	28	29	TOTAL
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SECTION A: (20 MARKS)
multiple choice questions. Write a correct letter in the b_{0x}

This section is made up of 20 multiple choice questions. 1. Which of the following is a special characteristic of third generation computers? A. Use of integrated circuits B. Introduction of graphical user interface C. Storage of data on external had disks D. The use of micro processors 2. The device that connects two or more pocket-switched networks or subnetworks and allows multiple devices to use the same internet connection is called allows multiple devices to use the same internet connection is called allows multiple devices to use the same internet connection is called allows multiple devices to use the same internet connection is called allows multiplexer 3. A	SECTION choice questions	
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B. Table C. Query D. Form 4. A/an	A. Donort	
C. Query D. Form 4. A/anis an interface in which users interact with software through clickable icons A. CLI B. GUI C. MDI D. API 5. A copyrighted software package obtained illegally is said to be A. Original software B. Duplicated C. Pirated D. Shared 6. Which one of the following is a computer output device? B. Keyboard C. Touch pad D. Microphone	•	1 1
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4. A/anis an interface in which users interact with software through clickable icons A. CLI B. GUI C. MDI D. API 5. A copyrighted software package obtained illegally is said to be A. Original software B. Duplicated C. Pirated D. Shared 6. Which one of the following is a computer output device? B. Keyboard C. Touch pad D. Microphone	·	
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 6. Which one of the following is a computer output device? A. Plotter B. Keyboard C. Touch pad D. Microphone 		
B. Keyboard C. Touch pad D. Microphone		
B. Keyboard C. Touch pad D. Microphone	6. Which one of the following is a communication	
B. Keyboard C. Touch pad D. Microphone	A. Plotter A. Plotter	
C. Touch pad D. Microphone		
D. Microphone		
	•	
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	A. <scroll></scroll>	7
12.	Thetag is an HTML element which causes text to scroll around the webpage	
	D. Personal computer	_
	C. Mainframe computer	
	B. Mini computer	٦
	A. Super computer	
11.	A large, powerful computer with many users connected via terminals that can handle many tasks concurrently is referred to as;	
	D. Handout master	
	C. Slide sorter	
	B. Slide master	
	A. Notes master	
	known as;	
10	.A facility that enables a user to see thumbnails of all the slides in presentation is	
	D. Off-the- shelf	
	C. Shareware	
	B. Tailor made	
	A. Freeware	
	specific organization to perform a specific purpose.	
9.	Ais a kind of computer software that is designed for a	
	D. An operator	
	C. A system analyst	
	B. Programmer	
	A. A technician	
0.	A person who gathers information from the users and then analyses and designs a suitable system is the	
0		
	D. Softcopy	
	C. Printed copy	
	A. Hard copy B. Stored information	
	as	
/.	Information displayed on the computer screen is regarded	

B. <marquee> C. <move></move></marquee>	
D. <br< th=""><th></th></br<>	
 13. The web address which contains information about the location of the known as A. WWW B. HTTP C. C. FTP D. D. URL 	webpage is
 14.Computer viruses can be spread through the following ways except by: A. Deleting e-mail without opening or executing any attachment B. Opening an infected file C. Booting a computer with an infected flash disk in the disk drives D. Running an infected program. 	
15. The intersection of a row and a column in spreadsheets gives rise to a	
 Which of the following are required to connect to the Internet using dia A modem. A sound card. A telephone line. fax 	l-up access?
A. 1 and 2 only. B. 1 and 3 only. C. 3 and 4 D. 4 and 2	
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D. Network administrator	
C. Student	
A. Troubleshooter B. Engineer	s devices:;
20.He troubleshoots company network, gives IP addresses, Configures	s daviaca.
C. Video. D. Animation	
B. Audio.	
way is termed as	, roar or physical
19. The use of computers to simulate a real or imaged environment that three dimensional (3-D) space where people interact in a seemingly	at appears as a
C. TCP/IP D. SMTP	
В. НТТР	
communication protocol for electronic mail transmission A. IP	
18.Theis an interne	t standard
C. Formula. D. Sort.	
B. Query.	
17.A is a request for specific data from a database. A. Function.	

SECTION B (60 MARKS) spaces provided for questions 21 to 26. This section is

	In this section, fill in the spaces provided a compulsory 21.(a)Define the term computer evolution	(1 mark)
	(b) Name the key characteristic that was introduces in the following con	nputer (3 marks)
	Second generation Fifth generation	
	(c) What is a computer crime	(1mark)
	(d) State three symptoms of a computer with a malware i.	(3marks)
	ii.	
	(e) Give two possible dangers of using pirated software	(2 marks)
2	22.(a)State two examples of the state of the	•••••
	22.(a)State two examples of hardware output devices	(2 marks)
•	***************************************	· · · · · · · · · · · · · · · · · · ·

(b)Sa	######################################	(2 marks) essages (4 marks)
(b)Sa (c)Sta i.	ate two characteristics of a primary key ate a situation that can lead to each of the following spreadsheet error m ###################################	(2 marks) essages (4 marks)
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(b)Sa	ate two characteristics of a primary key	(2 marks)
(b)Sa	ate two characteristics of a primary key	(2 marks)
	-	, ,
	Define an input mask as used in database management systems	/ I mark i
12 (a) D		(1 1)
•••••	•••••	
		,
(d) E	Explain the meaning of troubleshooting	(2marks)

		(3 marks)
	ate three reasons for updating firmware for a given hardware	

	***************************************	• • • • • • • • • • • • • • • • • • • •

••••	***************************************	
• • • • •	***************************************	(2 marks)
data	Determine the number of external hard disks she would need	to backup all her
(11)T	Determine the must	
(!!\T	***************************************	
		(1 1114111)
••••	Determine the	(1 mark)
••••	State the number of GBs in 1TB	pacity of 512GE (1 mark)
••••	Mudondo's PC has a hard disk of 1TB full of data and she when data to external hard disks. Each external hard disk has can be state the number of GBs in 1TB	ould like to back pacity of 512GE (1 mark)



	iv.	#Null!	
	(b)Gi	ve three advantages of using electronic spreadsheets in managing stude	
			(3 marks)
	•••••		
	•••••		
	•••••		
24.	(a) State	e three advantages of using a wireless network	(3 marks)
	i.		
	ii.		
	iii.	·····	
	(b)	Describe the following terms used in internet i.Website	(6marks)
		ii.Browser	•••••
		iii.Bandwidth	
			•••••
	(c)	Give one advantage of using online storage facilities	(1mark)
			•••••
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i. Wrap Text	of the following features as used in word processing	(2 marks)
	······································	
II. Format painter	r 	(2 marks)
(b) Sate two advantag	es of using word processor over typewriters	(3marks)
(c)What is a slide mas	ster?	(1mark)
(d) Give two reasons	why it is important to add sound to a presentation	(2marks)
26. (a)Outline three types i. ii.	s of system software available in a computer.	(3 marks)
	en a compiler and an interpreter as used in programming	(2marks)
(c) What is the mean	ing of an application package?	(1 mark)
(d) Outline three exam	mples of application software commonly used in Uganda.	(3marks)
	•••••••••••••••••••••••••••••••••••••••	
	ou would consider when buying application software for	(1 mark)
	••••••••••••	

SECTION C (20 MARKS)

Attempt only one question from this section

27.(a)Describe any five requirements for setting up a l	local area network	(10marks)
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(b)Explain five possible causes of failure of a computer network (10marks)

28. Define a malware

(2marks)

(a) Explain five ways through which computer viruses are transmitted (10 marks)

(b)Outline four ways of ensuring safety of computers in a computer laboratory

(8marks)

29. Sate the function of each of the following computer components

(10marks)

- i. VGA cable
- ii. The fan
- iii. RAM
- iv. Motherboard
- v. CPU

(b) Explain five reasons for restarting a computer

(10 marks)