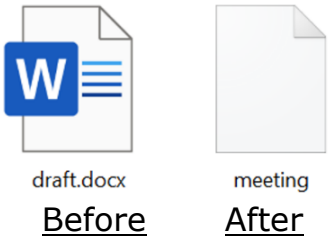
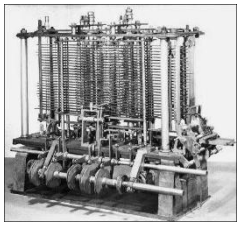
DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Directorate for Learning and Assessment Programmes
Educational Assessment Unit

Annual Examinations for Middle Schools 2022

YEAR 7 **ICT C3** **TIME: 45min**

Name: _____ Class: _____

Section A – Answer all questions. Each question carries 1 mark.
Write the letter of the correct answer in the respective Answer box.

		Answer
1.	When new updates are downloaded and installed on a computer, most often the user is required to: A. Switch off the computer. B. Send the computer in sleep mode. C. Restart the computer. D. Log-Off (Sign-out of your account).	
2.	Take a look at the icons on the right marked **Before** and **After**. What happened to the icon after using rename? A. The file got corrupted. B. The file turned empty. C. The file was deleted. D. The file extension was deleted.  Before After	
3.	When using a Word Processor and you need to type a **single capital letter** it is suggested to use: A. Caps Lock. B. Shift + Letter. C. Ctrl + Letter. D. Tab.	
4.	Ada Lovelace worked out algorithms to be used on the 'Analytical Engine'. Who invented this proposed processing engine? A. Charles Darwin. B. Charles Dickens. C. Charles Babbage. D. Charles Leclerc. 	

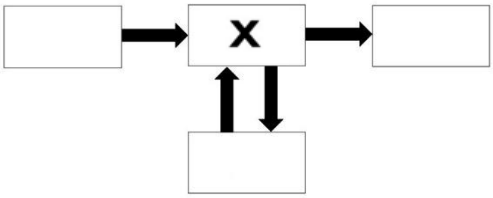
5.	In early computer history, programming was seen as the 'natural job for women'. So, in those times what job for men was considered skill-oriented and challenging? A. Building computer hardware. B. Setting up networks. C. Loading printers with ink and paper. D. Cleaning computer equipment.	
6.	What does the abbreviation '**GPS**' in the area of communication technology stand for? A. General Problem Solver. B. Global Positioning System. C. Gallons per Second. D. Gunners Primary Sight. 	
7.	The **notification area** is located at the right end of the taskbar. Which of the following options is **NOT** found in this area: A. Clock and Calendar. B. Wi-Fi Connection. C. Word Processor. D. Sound Volume.	
8.	Which protocol is used for protecting web browsing? A. DDP. B. HTTPS. C. PPPoE D. SMTP	
9.	Double-clicking the shortcut icon displayed below will open: A. A browser. B. A sound file. C. A search engine. D. A text document. 	
10.	What was the name of the **first** wide-area packet-switched network and also one of the first networks to implement the TCP/IP protocol? A. CSNET. B. UCLA. C. STANFORD. D. ARPANET.	

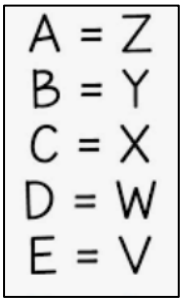
11.	Which of the following devices allows users to input **audio** into their computers: A. Scanner. B. Joystick. C. Microphone. D. Headphones.	
12.	Which button must be used to reload or update a webpage to display the most recent content? A. Close. B. Stop. C. Back or Forward. D. Refresh.	
13.	Which of these was the earliest computer storage? A. Magnetic Core Memory. B. Paper Punched Cards. C. Magnetic Tape. D. Delay Line Memory.	
14.	Nowadays, most **sports** rely heavily on computer technology. Which of the following terms has to do with sports and technology? A. CAD (Computer Aided Design). B. MRI Scanning. C. Goal Line Technology. D. VLE (Virtual Learning Environment).	
15.	Which computer was used by the Bletchley Park analysts for the decryption process during WW2? A. EDVAC. B. MIT's Whirlwind 1. C. IBM Ramac 305 D. Colossus.	

16.	A computer 'power supply' is an example of: A. Software. B. Biometric Device. C. Storage Device. D. Component. 	
17.	Which alternative output device allows for extremly precise cutting and engraving of many materials such as wood and metal? A. 3D Printer. B. CNC. C. Projector. D. Plotter.	
18.	The video 'History of Internet - Part 3', talks about one of the **first social networking** sites which allowed anyone and everyone to create their own website. This popular site was called: A. Facebook. B. LinkedIn C. GeoCities. D. Twitter.	
19.	What is required in a computer to show the information on the computer screen? A. A graphics tablet. B. A keyboard. C. A video card. D. A scanner.	
20.	Which device is used to capture and read information contained in the image shown on the right: A. Trackball. B. Projector. C. Microphone. D. Barcode Reader. 	

Section B – Answer all questions. Each question carries 2 marks.
Write the letter of the correct answer in the respective Answer box.

		Answer
21.	8 BITS (01011011) is equivalent to: A. 1 Megabyte B. 1 Gigabyte C. 1 Byte D. 1 Terabyte	
22.	Which of these binary representations stores the biggest number? A. 1100 B. 0111 C. 1101 D. 1000	
23.	Which of these software applications require location data to function properly? A. Sage Accounting. B. Google Maps. C. Excel. D. Movie Maker.	
24.	Which of the following Internet connections is considered very slow when compared to the speeds we have today? A. Fibre. B. Cable. C. DSL. D. Dial-Up.	
25.	What is an ISP? A. An organization that supplies medical equipment. B. An organization that sells educational resources. C. An organization that provides Internet access. D. An organization that repairs damaged ICT devices.	

26.	When saving in a hard disk or pen drive the data will stay there until it is overwritten or deleted, even if the power goes out. These type of storage devices are classified as: A. Non-Permanent. B. Volatile. C. Temporary. D. Non-Volatile	
27.	Identify the biometric technique shown in the picture below: A. Retinal Identification. B. Facial Recognition. C. Fingerprint Recognition. D. Voice Verification. 	
28.	The diagram on the right represents a simple block diagram of a computer system. Select the name of the block marked with an X: A. Storage. B. Processing. C. Output. D. Input. 	
29.	Encrypted-text transformed from plaintext using an encryption key (algorithm) is called: A. Hypertext. B. Teletext. C. Subtext. D. Ciphertext.	

30.	The Atbash Cipher *(originally used to encrypt the Hebrew alphabet),* simply reverses the plaintext alphabet to create the ciphertext alphabet. That is, the first letter of the alphabet is encrypted to the last letter of the alphabet, the second letter to the penultimate letter and so forth. With this cipher, we simply take the alphabet and map it to its reverse. So when the Atbash cipher is used in English, A becomes Z, B becomes Y, and C becomes X.  Decode this **name** below written in Atbash Cipher. *Use the space below to map the Atbash Cipher before answering the question.* **QZNVH** A. JASON B. JORDAN C. JAMES D. JORGE	