

Annual Examinations for Middle Schools 2023

YEAR 7

ICT C3

TIME: 45 minutes

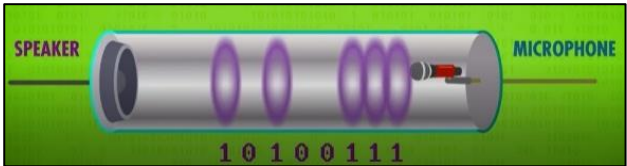
Name: _____

Class: _____

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

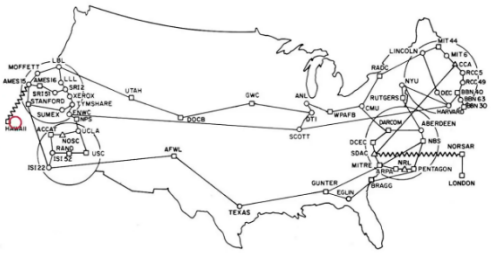
		Answer
1.	Which computer lab rule is very important to keep your work updated from one lesson to another? A. Shut down the computer after the lesson. B. Save your work. C. Do not change computer settings without permission. D. Save files with meaningful names.	
2.	What should you do when you are ready from using 'Microsoft Teams' at school for security and privacy matters? A. Shut down the computer. B. Allow the computer to remember the password. C. Sign out. D. Put the computer is sleep mode.	
3.	Which function is associated with the TAB key found on the keyboard? A. Deletes text. B. Make your text bold C. Increase or decrease the font size. D. Move several spaces at a time.	
4.	Why was there an increase in the number of women working in computer science after the 1960s? A. Men became very lazy. B. Increased job opportunities in the field. C. Men were not suitable for such jobs. D. Women wanted to live an independent life.	

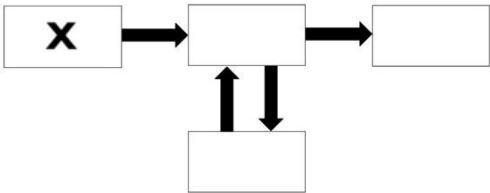
5.	<p>Ada Lovelace wrote and explained an algorithm for the Analytical Engine to compute numbers. What is an algorithm?</p> <p>A. A slideshow presentation of important information.</p> <p>B. An inventory of computer hardware.</p> <p>C. A set of step-by-step instructions to achieve a result.</p> <p>D. A set of questions and answers.</p>	
6.	<p>A radar is an object detection system. What type of waves do radars transmit?</p> <p>A. Ultraviolet Waves.</p> <p>B. Radio Waves.</p> <p>C. Infrared Waves.</p> <p>D. Sound Waves.</p>	
7.	<p>What is the name of this specific area shown below which can be used to switch between open applications?</p> <p>A. Desktop.</p> <p>B. Notification Area.</p> <p>C. Taskbar.</p> <p>D. Start Button.</p> 	
8.	<p>Which of the following protocols is used for secure communication over a computer network and is widely used on the Internet?</p> <p>A. HTTPS</p> <p>B. TCP/IP</p> <p>C. POP</p> <p>D. FTP</p>	
9.	<p>Which is the ideal folder name to store your photos from summer 2022?</p> <p>A. My photos for summer 2022!</p> <p>B. Photos_Summer2022</p> <p>C. Photos</p> <p>D. P22</p>	
10.	<p>During the .com bubble era, sites were needed to store data. What were these computer rooms or computer buildings called?</p> <p>A. Data Centres.</p> <p>B. Data Recovery.</p> <p>C. Data Office.</p> <p>D. Data Bus.</p>	

11.	Which of the following devices is often used during online meetings to stream video in real time? A. Microphone. B. Touchpad. C. Scanner. D. Webcam.	
12.	Which application program provides a way to look at and interact with all the information on the World Wide Web? A. Word Processor. B. Operating System (<i>Windows 10</i>) C. Browser. D. Text Editor.	
13.	Using the image below, what is the name of this form of computer memory, now obsolete, that was used on some of the earliest digital computers? A. Delay Line Memory. B. Paper Punched Cards. C. Magnetic Core Memory. D. Magnetic Tape. 	
14.	The industry of health and medicine has changed a lot because of medical advancement which was possible because of technological advancement. Which of these terms is directly related to the medical area? A. Computer Aided Manufacturing (CAM) B. Point of Sale (POS) C. Magnetic Resonance Imaging (MRI) D. Virtual Reality (VR)	
15.	During World War 2 the British worked to crack the enigma code every day. Many women were focused on this task and became: A. Technicians. B. System Analysts. C. Web Designers. D. Cryptographers.	

16.	<p>A printer is classified as:</p> <ul style="list-style-type: none"> A. A component. B. An output device. C. A biometric device. D. A software. 		
17.	<p>Which alternative output device allows precise large-scale printing on a wide variety of materials?</p> <ul style="list-style-type: none"> A. 3D Scanner. B. CNC Machine. C. Plotter. D. Office Inkjet Printer. 		
18.	<p>ARPANET used packet-switching (before TCP/IP) so that computers on the network could communicate together. Which node was selected to become the official record-keeping of everyone's addresses?</p> <ul style="list-style-type: none"> A. UTAH. B. HARVARD. C. STANFORD. D. TYMSHARE. 		
19.	<p>What is a heat sink used for?</p> <ul style="list-style-type: none"> A. To improve Internet speed. B. To prevent the CPU from overheating. C. To connect all the components together. D. To spread power throughout the whole computer system. 		
20.	<p>Which device is used to hand-draw images, animations and graphics with a special pen-like stylus?</p> <ul style="list-style-type: none"> A. Felt-Pen. B. Digitizing Tablet. C. Trackball. D. Pen Drive. 		

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

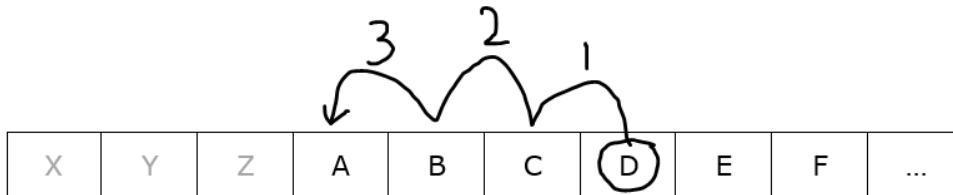
		Answer
21.	<p>The size of a low-quality image downloaded from the Internet could be:</p> <p>A. 2 TB. B. 12 GB. C. 687 KB. D. 120 MB.</p>	
22.	<p>Which of these binary representations is bigger than the decimal number 14?</p> <p>A. 1110 B. 1111 C. 0101 D. 1100</p>	
23.	<p>What is the name of the network map shown below?</p> <p>A. Techopedia B. Internet. C. ARPANET. D. WWW.</p> 	
24.	<p>In Cryptography, in order to encrypt the plaintext HELP, it is first converted to a number, for example 52356. Once in numerical form, what must be used to modify the number?</p> <p>A. A password. B. A pin number. C. An e-mail address. D. A key.</p>	
25.	<p>What does Digital Footprint mean?</p> <p>A. An impression of our foot or shoe on a surface. B. The shape and size of an occupied area. C. The trail of digital information we leave behind us when we do anything online. D. The impact of an organization on the environment.</p>	

26.	<p>An SSD (solid state drive) is classified as a non-volatile storage device. What does non-volatile mean?</p> <p>A. Retains stored information even after power is removed.</p> <p>B. Reads and writes data very fast.</p> <p>C. Quite expensive to buy.</p> <p>D. SSD is smaller in physical size and quieter.</p>	
27.	<p>Identify the biometric technique shown in the picture below:</p> <p>A. Hand Scanner.</p> <p>B. Voice Recognition.</p> <p>C. Retina Scan.</p> <p>D. Face Scanner.</p> 	
28.	<p>The diagram on the right represents a simple block diagram of a computer system. Select the name of the block marked with an X:</p> <p>A. Storage.</p> <p>B. Output.</p> <p>C. Input.</p> <p>D. Processing.</p> 	
29.	<p>ARPANET administration were looking to hand off responsibility from maintaining the Internet. Who officially replaced ARPANET as the backbone of the INTERNET?</p> <p>A. NSFNET</p> <p>B. MICROSOFT</p> <p>C. GOOGLE</p> <p>D. FLYNET</p>	

30. In cryptography, a Caesar cipher is one of the simplest and most widely known encryption techniques.

It is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet.

For example, with a **left shift** of **3**, D would be replaced by A, E would become B, and so on. The method is named after Julius Caesar.



Decrypt the **text** below encrypted in Caesar Cipher. The image shown above can help you a lot!

CXQB

- A. FAST
- B. HELP
- C. FATE
- D. PUSH

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