

Annual Examinations for Middle Schools 2024

YEAR 7

ICT C3

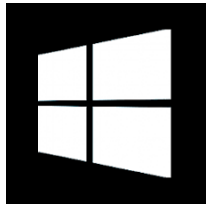
TIME: 45 minutes

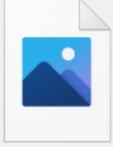
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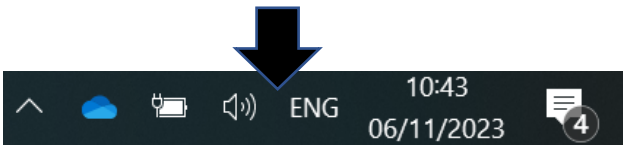
Class: _____

Section A – Answer all questions. Each question carries 1 mark.

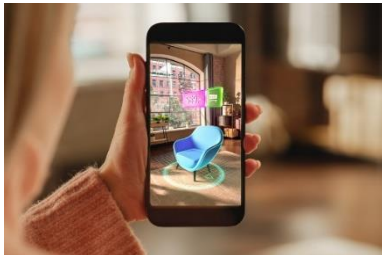
Write the letter of the correct answer in the respective Answer box.

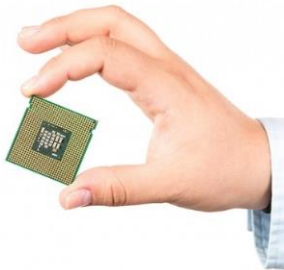
		Answer
1.	Which of these lab rules should be observed in the computer lab? A. Students can eat and drink soft drinks in the lab. B. When saving a file make sure to use a strong name. C. Make sure to sign out of the system after the lesson. D. Students can print without asking permission.	
2.	Which of these tasks can be performed from the Start Button? A. Open an application. B. Open windows settings. C. Shut down the computer. D. All of the above.	
3.	What is Ada Lovelace best known for? A. Writing the world's first computer program. B. Inventing the Internet. C. Discovering the theory of gravity. D. Winning the Nobel Prize in literature.	

4.	Why might teachers use simulators in class? A. To take away all the fun activities. B. To demonstrate and explain dangerous situations safely. C. To make students sit quietly and listen. D. To give more homework.	
5.	To remove the extra N shown in the text below the user has to use: A. The Delete Key. B. The Shift Key. C. The Backspace Key. D. The Enter Key. The eight planets in our solar system are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and NN Neptune.	
6.	John is going to delete a file from his pen drive. The alert message shown below popped-up. If he clicks 'Yes' what will happen to the file? A. The file will go in the recycle bin. B. The file is deleted and cannot be restored from recycle bin. C. The alert message will close and nothing will happen. D. The file will be deleted and a copy placed on the desktop. Are you sure that you want to permanently delete this file?   Capture.JPG Type: JPG File Size: 0 bytes Yes No	

7.	What is the name of this specific area shown below which can be used to adjust the sound level, change date/time, connect to a wi-fi, eject your pen drive etc? A. Notification Area. B. System Area. C. Black Area. D. Control Panel. 																															
8.	Why do you need an ISP for Internet access? A. To provide electrical power to your devices. B. To back up your personal data. C. To connect your computer to the Internet. D. To manage your social media accounts.																															
9.	Which commands are used to move a file from one location to another? A. Copy & Paste. B. Shift + Delete. C. Cut and Paste. D. Select + Properties.																															
10.	Which view is used to show the files shown below? A. Extra Large Icons. B. List. C. Small Icons. D. Details. <table><tr><td></td><td>MARIO-1942.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>1,097 KB</td></tr><tr><td></td><td>MARIO-1955.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>991 KB</td></tr><tr><td></td><td>MARIO-1961.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>875 KB</td></tr><tr><td></td><td>MARIO-1975.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>1,027 KB</td></tr><tr><td></td><td>MARIO-1978.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>803 KB</td></tr><tr><td></td><td>MARIO-2035.jpg</td><td>22/12/2022 20:27</td><td>JPG File</td><td>1,481 KB</td></tr></table>		MARIO-1942.jpg	22/12/2022 20:27	JPG File	1,097 KB		MARIO-1955.jpg	22/12/2022 20:27	JPG File	991 KB		MARIO-1961.jpg	22/12/2022 20:27	JPG File	875 KB		MARIO-1975.jpg	22/12/2022 20:27	JPG File	1,027 KB		MARIO-1978.jpg	22/12/2022 20:27	JPG File	803 KB		MARIO-2035.jpg	22/12/2022 20:27	JPG File	1,481 KB	
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11.	Which device is commonly used to capture sound for voice recognition technology? A. Scanner. B. Mouse. C. Microphone. D. Joystick.	
12.	Which application program allows users to create, edit, print, and save a newsletter, memo or report? A. Spreadsheet. B. Word Processor. C. Database. D. Graphics Editor.	
13.	Using the image below, what is the name of this form of computer memory that is no longer in use today but its early advantages helped lay the foundation for modern computer memory technologies? The diagram illustrates a magnetic core memory unit. It consists of a grid of horizontal and vertical wires. At each intersection of the wires, there is a small loop or core. Arrows indicate the flow of current through the wires, with labels 'I' and 'I₀' for input and output currents. The output is labeled 'OUT'. A. Delay Line Memory. B. Paper Punched Cards. C. Magnetic Core Memory. D. Magnetic Tape.	
14.	Technological advancements have improved drastically the area of exploration and travel. Which of these options is directly related to this area? A. Video Assisted Referee (VAR). B. Internet Protocol Television (IPTV). C. X-Ray. D. Global Positioning System (GPS)	

15.	What was the primary purpose of the Colossus computer during World War II? A. It was a German encryption device used for secure communication. B. It served as a code-breaking machine to decrypt secret messages. C. Colossus was a giant, talking robot created by scientists for entertainment purposes during the war. D. It was a device used for weather predictions during the war.	
16.	A motherboard is classified as: A. A component. B. An output device. C. A biometric device. D. A software. 	
17.	Which alternative output technology allows you to position 3D furniture in a photo realistic setting? A. 3D Scanner. B. CNC Machine. C. Augmented Reality. D. AIO (All-in-One). 	
18.	What is the primary characteristic of hypertext? A. It is a protocol for secure data transfer. B. It is a web-based system of interconnected documents through links. C. It is a database management system. D. It is a type of file compression format.	

19.	Where is the CPU located in a computer? A. The CPU is located inside the hard disk. B. The CPU is located inside the RAM chips. C. The CPU is located inside the power supply. D. The CPU is located on the motherboard.		
20.	What text formatting was applied to the word 'Valletta' in the sentence shown below? A. Italics. B. Bold. C. Underline. D. Highlight.	The capital city of Malta is Valletta.	
21.	Which of the following icons represents a text document? A. Icon A B. Icon B C. Icon C D. Icon D		
22.	What is a joystick primary used for? A. Writing code. B. Playing video games. C. Typing documents. D. Scrolling web pages.		
23.	Which is the fastest mouse technique to open a file? A. Right Click. B. Double Click. C. Click (single left click). D. Scroll.		

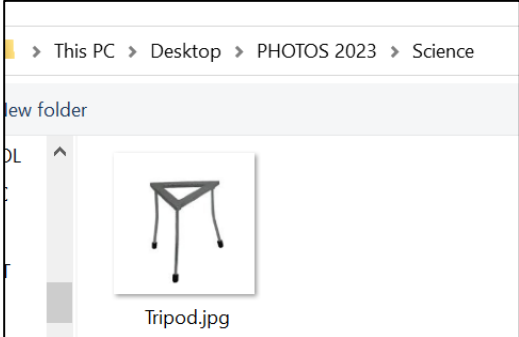
24.	Which of these storage units are sorted from smallest to largest? A. Bit – Byte – Megabyte – Terabyte - Gigabyte B. Terabyte – Gigabyte – Megabyte – Kilobyte - Byte C. Bit – Byte – Kilobyte – Megabyte - Gigabyte D. Byte – Bit – Terabyte – Megabyte - Kilobyte	
25.	What is the primary function of a plotter device in the context of computer graphics? A. Printing large-format posters. B. Creating three-dimensional models. C. Scanning images. D. Rendering realistic virtual environments.	
26.	Which storage medium relies on optical technology for data storage? A. USB Pen Drive. B. Hard Disk Drive (HDD). C. DVD. D. Solid State Drive (SSD).	
27.	Where can GPS technology be commonly found? A. Smartphones. B. Cars and other vehicles. C. Aviation navigation systems. D. All of the above.	
28.	What is the main purpose of a modem? A. Storing usernames and passwords. B. Connecting a computer to the internet. C. Buffering print jobs. D. Editing documents.	

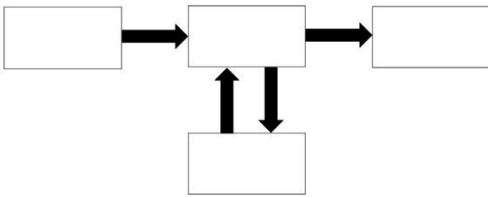
29.	What was the Analytical Engine, designed by Charles Babbage, primarily intended to perform? A. Play music. B. Perform mathematical calculations. C. Predict weather patterns. D. Analyse data.	
30.	Which of the following devices is an input device? A. Speakers. B. Keyboard. C. Monitor. D. Printer.	

Section B – Answer all questions. Each question carries 2 marks.

Write the letter of the correct answer in the respective Answer box.

		Answer
31.	John just bought a new SSD drive . What is a realistic capacity size for this drive? A. 1024 MB B. 15 GB C. 2 TB D. 300 TB	
32.	What is the answer in binary if you subtract 4 from 10? A. 1111 B. 0110 C. 1001 D. 1110	
33.	The .com bubble was a time in Internet history when many people got overly excited about Internet companies, investing a lot of money in them. However, many of these companies were not making real profits but caused big financial losses. What does .com in Internet addresses stand for? A. communication. B. commercial. C. communal. D. commerce.	
34.	Which keyboard key is used to capture a full screen? A. prt scr B. tab C. fn lock D. pg dn	

35.	Jane recently uploaded some photos on her social media account and organised them in albums. She uploaded photos of her summer vacation with her family, rehearsals from the ballet class and some of the crafts she created. This is a typical example of: A. Negative Digital Footprint. B. GIGO (Garbage In Garbage Out). C. Positive Digital Footprint. D. Digital Marketing.	
36.	Paul is saving an image he found on the Internet. In which location is the image being saved? A. Tripod. B. Photos. C. ESD-USB (D:). D. Science. 	
37.	Identify the biometric technique shown in the picture below: A. Facial Recognition. B. Iris Recognition. C. Fingerprint Scanning. D. Voice Recognition. 	
38.	Why is it recommended to safely eject a pen drive from your computer? A. To save electricity. B. To improve computer speed. C. To prevent data corruption. D. To avoid damaging the USB port.	

39.	What was the initial purpose of ARPANET, the precursor to the modern internet? A. To serve as a commercial e-commerce platform. B. To support the development of social media platforms. C. To provide free public access to the World Wide Web. D. To provide a messaging service between a few computers.	
40.	The diagram below on the right represents a simple block diagram of a computer system. Between which two blocks is there 2-way communication? A. Input and Process. B. Process and Storage. C. Process and Output. D. Input and Output.  <pre> graph LR Input[] --> Process[] Process --> Output[] Process <--> Storage[] </pre>	
41.	What factors are commonly cited as contributing to the underrepresentation (lack) of women in the field of computer science? A. Lack of interest in technology. B. Limited availability of computers. C. Gender stereotypes and limited advertising portraying women in the field. D. Inadequate educational opportunities.	
42.	In computer history, paper punched cards were a very popular and useful form of storage for decades. Which of these was an advantage of using these punched cards? A. Paper was cheap and durable. B. Write-Once. C. Large data capacity on just 1 card. D. Data had to be manually punched onto the cards.	

43.	The file shown below was selected and then the 'Properties button' was clicked. What information can be obtained from this action? A. Check how many other files exist in this file. B. Check if this file has a virus. C. Check how many words this word document has. D. Check the size of the file.	
44.	In a computer file system, which of the following is a valid (acceptable) folder name? A. My#Secrets! B. Documents&Files C. Folder_12 D. All of the above	
45.	In cryptography, monoalphabetic cipher is a very hard to break encryption technique as large random combinations are available. In monoalphabetic, each alphabet in plain text can be replaced by any other alphabet except the original alphabet. That is, A can be replaced by any other alphabet from B to Z. B can be replaced by A or C to Z and so on. Identify which one of the possibilities below is a correct monoalphabetic encryption for the word: CONTACT A. FHBTBXP B. NPGAXCD C. JTDWOSC D. CPNGUGF	