

Annual Examinations for Middle Schools 2024

YEAR 8

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.	How does secure communication between devices and platforms in IoT benefit users? A. It enables faster data transmission B. It ensures the privacy and integrity of transmitted data C. It reduces device costs D. It allows unlimited data storage	
2.	What is the primary function of a PDA (Personal Digital Assistant)? A. Document management B. Scientific research C. Heavy calculations D. Handwriting recognition and voice input	
3.	Identify a situation where a microcomputer is most likely to be used. A. as a server in a bank B. as one of the main computers at Google C. as a computer doing all the processing at NASA D. as a home computer	
4.	Which of the following is NOT an example of social media? A. Facebook B. Twitter C. Google Chrome D. Tik Tok	
5.	FDM in 3D printing means: A. Full Deposit Memory B. Fake Domain Message C. Fan Damaged Message D. Fused Deposition Modelling	
6.	3 areas identified as important to increase the number of women in the tech industry are Education, Hiring and A. Employment B. Practice C. Retention D. Fun	

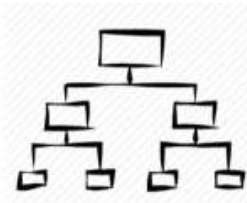
7.	What action does the manufacturer take if a specific issue occurs in a critical number of devices in IoT systems? A. Use applications to identify the problem B. Celebrate the issue C. Ignore it D. Delete all device data	
8.	This person studies data and must be good with numbers and statistics. A. Programmer B. Data Analyst C. Data input clerk D. UI Designer	
9.	Which of the following is NOT an example of a general-purpose computer? A. a game console B. an ATM C. a washing machine D. all the above	
10.	What does 'data analytics' involve in IoT systems? A. Processing and deriving valuable insights from collected data B. Encrypting data for security purposes C. Deleting unnecessary data D. Collecting data from devices	
11.	SEO in ICT stands for: A. Sort Enigma Organisation B. Search Engine Optimisation C. Search Executive Operation D. Senior Engineer Occupation	
12.	Technology that is embedded in clothing and/or fashion accessories is called: A. High tech B. Wearable tech C. Python tech D. Fashion tech	
13.	What do IoT platforms do with the data collected from devices over time? A. Share it publicly on the internet B. Convert it into audio files C. Store it in a secure database for historical analysis D. Delete it after a certain period	
14.	What is the advice given regarding the privacy of social networking profiles? A. Keep them public for more friends B. Make them as private as possible C. Share all personal details openly D. Change privacy settings weekly	

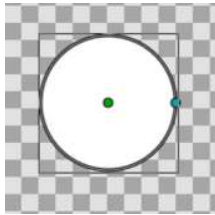
15.	The difference between the number of women and men working in the tech industry is known as: A. gender parity B. gender gap C. gender equality D. gender aptitude	
16.	What is the purpose of integrating data from multiple devices in an IoT system? A. To provide a unified view and enhance efficiency B. To confuse users C. To create chaos in data management D. To increase device costs	
17.	What do IoT platforms enable devices and applications to do? A. Play games B. Connect to satellite networks C. Create virtual reality environments D. Communicate with each other using a common language	
18.	Combining marketing, business development and technology in order to create campaigns to acquire users, is the job of the: A. Web Designer B. Growth Hacker C. Programmer D. Data Analyst	
19.	Which type of computers combine both analog and digital elements? A. Special Purpose Computers B. General Purpose Computers C. Hybrid Computers D. Micro Computers	
20.	What purpose does a secure database serve in the context of IoT platforms? A. To increase device costs B. To store data temporarily C. To build a historical record of data in a secure manner D. To create confusion in data analysis	
21.	The person who uses algorithms and computer languages to write software is a: A. Programmer B. Data Analyst C. Scientist D. UI Designer	
22.	What is the primary purpose of supercomputers? A. Perform specific mathematical calculations B. Manage office documents C. Fit comfortably on top of a desk D. Provide online education	

23.	How do IoT devices respond to specific situations based on their programming? A. By playing music B. By generating random notifications C. By triggering an alert or action D. By changing their physical appearance	
24.	A person who makes sure that a website or an app is user friendly is known as a: A. Programmer B. UX Designer C. Growth Hacker D. Data Analyst	
25.	A collection of data that records every activity you make online is known as a: A. Digital Footprint B. Digital Invoice C. Record D. Social Network	
26.	SLA 3D printers use _____ to produce 3D objects. A. organic filament B. chemical filament C. photo sensitive resin D. mixed plastic	
27.	Reading messages on your smartwatch, is only one advantage of: A. SMS B. wearables C. social network D. e-mail	
28.	You should _____ a person creating or forwarding cruel and hateful messages about someone else. A. add as friend B. encourage C. block D. help	
29.	What distinguishes notebook computers from desktop models? A. They are extremely lightweight and portable B. They have a tower model design C. They have larger monitors D. They are used for scientific calculations	
30.	What distinguishes digital computers from analog computers? A. They are used in defence sectors B. They are task-specific C. They measure continuous variations D. They count discrete numbers using bits	

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

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

		Answer
31.	The number of pages and the author of a book are called the _____ of the object. A. Hierarchy B. Structure C. Attributes D. Objects	
32.	What is the primary goal of continuous monitoring in IoT applications? A. Detecting issues and patterns for proactive solutions B. Increasing device speed C. Playing music D. Sending random alerts	
33.	Using a password and a code sent to your mobile number is known as: A. 2-step verification B. validation C. verifocal D. password policy	
34.	Which was the first Social Networking site? A. Facebook B. Twitter C. Snapchat D. Sixdegrees	
35.	Which of the following is a special-purpose computer example? A. Supercomputer B. Personal Computer C. Automated Teller Machine (ATM) D. Mainframe Computer	
36.	What does 'streamlined inventory management' mean in the context of IoT applications? A. Increasing product prices B. Reducing product variety C. Efficiently organising and managing available products D. Limiting customer choices	
37.	Which type of structure is represented by the image below, on the right? A. Geometrical B. Objective C. Trigonometrical D. Hierarchical	

38.	How do IoT platforms ensure the accuracy of data transmitted from devices? A. By reducing the number of devices connected B. By encrypting all data transmissions C. By slowing down data transmission D. By deleting unnecessary data	
39.	Weather Forecast is usually carried out on a: A. Desktop computer B. Micro computer C. Tablet D. Super computer	
40.	What is the primary purpose of secure communication between a car's gateway and the manufacturer's platform in IoT systems? A. To prevent data breaches and ensure secure communication B. To decrease device costs C. To increase device speed D. To send unlimited data	
41.	In order to use an image in an animation software package, you must _____ it into your workspace. A. import B. draw C. save D. rotate	
42.	To make an object appear in front of another object, you must change the: A. object B. colour C. button D. layer	
43.	When an object is selected in an animation software package, you can change the properties of that object by dragging the dot. This dot is called a: A. spot B. drag C. handle D. point	

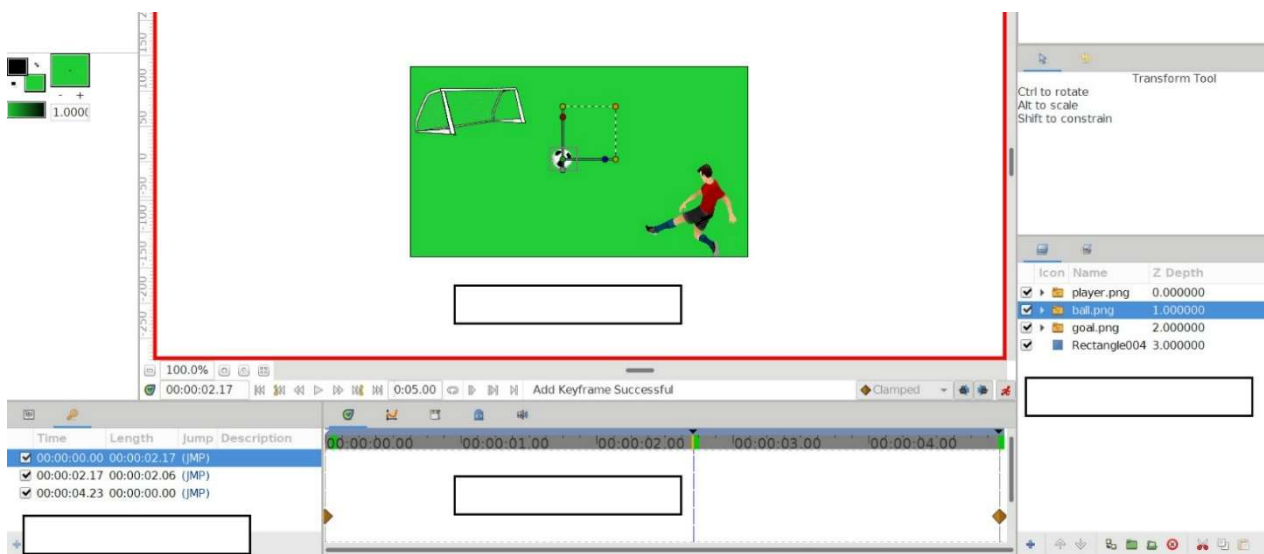
This question carries 4 marks.

44. In the image below, use the words

Layers	Timeline	Canvas	Keyframes
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to identify the appropriate area within an animation software package.

Write the given words in the correct box in the image below.



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