GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 1
40 Minutes

_____

Read these instructions first

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- Answer all questions.
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- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (10 Marks)

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which software consists of rows and columns to enter data and make automatic calculations?

A	Word	
B	Excel	
C	Paint	
D	Scratch	

(b) Several devices plugged into a single power socket ....

A increase electricity bills
B may cause a fire outbreak
C make the computer run faster
D save electrical energy

(c) In **E-commerce**, payment is done using ....

A coins
B bank notes
C cash
D credit card

(d) Which folder of an email program contains messages not yet sent?

A Sent
B Spam
C Inbox
D Drafts

(e) A .... is used to show a presentation on a very large screen.

A projector
B monitor
C 3D printer
D plotter

(f) Accessing someone's personal information on a computer without his/her permission is
…………………………… .

      A   acceptable
      B   ethical
      C   unethical
      D   allowed

(g) Which of the following is a free operating system which can be installed on personal computers?

      A   Linux
      B   Mac OS X
      C   Windows
      D   Android

(h) The acronym ISP means ………………………… .

      A   International Screen Protector
      B   Internal Source Program
      C   Internet Service Provider
      D   Interface Software Product

(i)   Using a computer for a long time without any rest may cause ………………………… .

      A   fever
      B   back pain
      C   stomach pain
      D   heartburn

(j)   Which of the following is a feature of the Excel spreadsheet software?

      A   slide transitions
      B   create speaker notes
      C   calculation
      D   mail merge

Question 2 (10 Marks)

Fill in the blanks with the correct word from the list given below.

virus	teleworker	search engine	WAN	preview
videoconference	output	battery	plagiarism	software

(a) A .... does not need to go to the office.

(b) Computer hardware cannot function without ....

(c) A .... allows users to search for information on the Internet.

(d) A tiny program intentionally created to cause harm to a computer is called a ....

(e) If a laptop becomes unresponsive, remove the .... to force it to turn off.

(f) The Internet is an example of a ....

(g) The print pane in PowerPoint allows a user to .... and print a presentation.

(h) An electronic meeting between two or more people from distant locations is called a ....

(i) Copying someone else's work and claiming as your own is called ....

(j) To dry run a flowchart means to determine the .... of a flowchart.

Question 3 (10 Marks)

Tick **(✓) True** or **False** next to each of the statements below. An **example** has been provided.

		TRUE	FALSE
(a)	Food and drinks are not allowed in the computer lab.	✓	
(b)	Online shopping can be done at night only.		
(c)	A printer is an output device.		
(d)	Rows in a spreadsheet are named using alphabet letters.		
(e)	Health records are considered as private data.		
(f)	Documents, pictures, or videos can be sent together with an email.		
(g)	The ⬦ flowchart symbol indicates a choice.		
(h)	Devices in a network can be connected by wires and cables only.		
(i)	A paper jam prevents the printer from working properly.		
(j)	Copyright law allows everyone to copy an original work.		
(k)	A Personal Area Network connects devices within a room		

Question 4 (10 Marks)

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

Column A		Column B	
(i)	**Hardware**	1	Computer programs.
(ii)	E-banking	2	The main document in a mail merge.
(iii)	Conditional formatting	3	One of the functions of an Operating System.
(iv)	Template	4	A type of computer that is transportable.
(v)	Bold, Italic, Underline	5	A device that outputs sound.
(vi)	Topology	**6**	**The physical parts of a computer system.**
(vii)	Error handling	7	Use of internet to perform banking transactions.
(viii)	Speaker	8	An example of a video editing software.
(ix)	Windows Movie Maker	9	Formatting features of a word processor.
(x)	Software	10	A feature found in spreadsheets.
(xi)	Laptop	11	Shows how nodes in a network are connected.

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)	(xi)
6										

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 2
40 Minutes

_____

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- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (10 Marks)

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which hardware device is most suitable to play games on a computer?

A   Printer

B   Speakers

C   Joystick

D   Microphone

(b) Computer programs are also called ………………………… .

    A   Hardware
    B   Software
    C   Storage
    D   Memory

(c) Which of the following is a **benefit** of online shopping?

    A   An Internet connection is required.
    B   We can do shopping at any time.
    C   Goods received may not be the same as that ordered**.**
    D   We cannot try the item before buying it.

(d) Many people do office work from home. This way of doing work is called ………………………… .

    A   Telegram
    B   Television

C Telecommunication

D Teleworking

(e) One Kilohertz is equal to .... Hz.

A 10

B 100

C 1,000

D 10,000
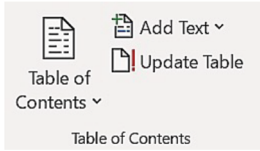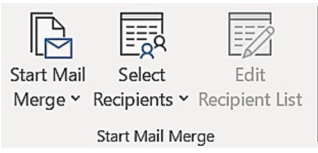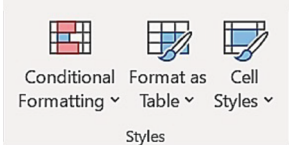
(f) Ethics means to differentiate between ....

A right and wrong

B left and right

C personal and public

D private and protected

(g) Two or more computers connected together is called a computer .... ?

A network

B process

C system

D node

(h) Which of the following task can be performed using PowerPoint presentation software?

A Create table of contents

B Mail Merge

C Slide Show

D Conditional Formatting

(i) Modern Operating Systems have a GUI. GUI means ....

    A   Graphic Used Into
    B   Graphic Use Information
    C   Graphical Use Inside
    D   Graphical User Interface
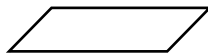
(j) Accidentally deleted files can be restored from the ....

    A   file manager
    B   Recycle bin
    C   printer
    D   keyboard

Question 2 (10 Marks)

Fill in the blanks with the correct word from the list given below.

single user	input	Range	ISP	table of contents
handouts	internet	password	output	power

(a)   E-banking refers to the use of .... to perform bank transactions.

(b)   If an unresponsive computer will not shut down, unplug the .... cord.

(c)   A .... operating system supports only one user at a time.

(d)   In a flowchart, a parallelogram   represents .... or ....

(e)   A company that offers Internet access to its customers is called an _____ .

(f)   A list found at the start of a document with titles and their page numbers is called a ....

(g)   A .... is used to prevent unauthorised persons from accessing a computer.

(h)   Printed copies of slides that a presenter can give to the audience are called ....

(i)   The format of the Excel COUNTIF function is = COUNTIF (..............................., Criteria).

Question 3 (5 Marks)

Tick **(✓) True** or **False** next to each of the statements below. An **example** has been provided.

		TRUE	FALSE
(a)	A flowchart is generally read from top to bottom.	✓	
(b)	A hard reboot means to turn off the computer manually.		
(c)	PowerPoint outline layout allows printing a full page for each slide.		
(d)	A Meta-search engine gives better search results than a search engine.		
(e)	A chat allows real-time text-based communication between two or more people.		
(f)	In a ring topology each node is connected to a central computer.		

Question 4 (5 Marks)

Complete the following:

(a)   One byte = ... bits

(b)   One nibble = ... bits

(c)   One Kilobyte = ... bytes

(d)   How many bytes are required to store the address?

   5, Rue étoile d'or, Beau-Bassin. .... bytes

Convert your answer above from bytes to bits: .... bits

Question 5 (5 Marks)

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

Column A		Column B	
(i)	**Operating System**	1	Adding movement to text or images in PowerPoint slides.
(ii)	Multi-tasking system	2	Allows users to access the Internet and view webpages.
(iii)	Header	3	**The most important software in a computer system.**
(iv)	Animation	4	Also known as primary storage.
(v)	Web browser	5	A set of instructions that tells the computer what to do.
(vi)	Main memory	6	Allows several programs to run at the same time.
		7	Appears in the bottom margin on all pages of a document.
		8	Appears in the top margin on all pages of a document.

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)
3					

Question 6 (5 Marks)

A list of **hardware devices** is given below. **Classify** the devices as Input, Output or Storage devices by **ticking** () the appropriate column. An **example** has been provided.

		Input Device	Output Device	Storage Device
(a)	Monitor		✓	
(b)	Mouse			
(c)	Blu-ray disc			
(d)	Memory Card			
(e)	Keyboard			
(f)	Plotter			

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY   **Practice Paper 3**
                                                40 Minutes

_____

Read these instructions first

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- Read each question carefully.
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- Answer all questions.
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- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (10 Marks)

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which of the following application software is most suitable for viewing web pages on the internet?

A   Word

B   Firefox

C   Excel

D   PowerPoint

(b) To erase a character to the right of the cursor, press the .... key.

    A   Escape
    B   Backspace
    C   Delete
    D   Enter

(c) The Internet is a very large network connecting computers ....

    A   in a building
    B   in a school
    C   in a country
    D   over the whole world

**(d)** Which of the following is an example of a correct email address?

    A   someone@gmail.com
    B   someone©gmail.com
    C   someone.email.com
    D   someone.google.com

(e) To be able to do e-learning, a student will need ....

    A   a chair and a table
    B   books and copy books
    C   a computer and a connection to the Internet
    D   a classroom and a teacher

(f) The range selected in the spreadsheet below is ....

A	A2:D9
B	B2:D9
C	C3:D9
D	D2:C9
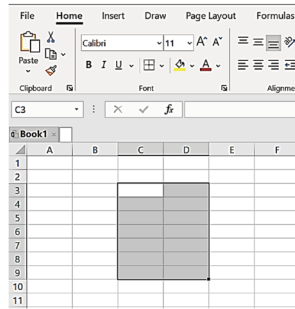
(g) Which one of the features below is **not** available in PowerPoint presentation software?

    A   Insert Pictures
    B   Insert function
    C   Insert Chart
    D   Insert Table

(h) Websites visited previously are stored in the .... folder.

    A   History
    B   Downloads
    C   Pictures
    D   Documents

(i) A Metropolitan Area Network (MAN) connects computers ....

    A   in a room
    B   in a city.
    C   in a group of buildings
    D   across a country or around the world

(j) Which of the following is an example of a computer crime?

    A   playing online game
    B   printing a document
    C   sending an email to a friend
    D   hacking a computer

Question 2 (5 Marks)

Fill in the blanks with the correct word from the list given below.

programming language	mailing list	dry run	application software
search engine	task manager	error handling	operating system

(a) Press the CTRL, ALT and DEL keys at the same time to start the ....

(b) The .... is the most important software that runs on a computer.

(c) We can write computer programs using a ....

(d) To .... a flowchart means to determine the output of a flowchart.

(e) A .... contains information like name, address, phone number of people.

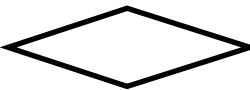**Question 3 (4 Marks)**

Tick **(✓) True** or **False** next to each of the statements below. An **example** has been provided.

		TRUE	FALSE
(a)	A mouse is an input device.	✓	
(b)	All spreadsheet formulae must start with the = symbol.		
(c)	A laptop is an example of a mainframe computer.		
(d)	Electronic messages can be sent by postal mail.		
(e)	Handicapped persons may work as teleworkers.		

Question 4 (5 Marks)

Name the following flowchart symbols.

Symbol	Name
(rounded rectangle/terminator)	
(parallelogram)	
(rectangle)	
(diamond)	
(arrow)	

Question 5 (3 Marks)

Four types of operating systems are listed on the left. Match each type of operating system with its correct description on the right. An example is given.

Types of operating systems   **Description**

Single user system

Multi user system

Multi tasking system

Multi processor system

Allows several programs run at the same time.

Capable of supporting and utilising more than one computer processor.

Supports only one user at a time.

Allows many users to access a computer's resources at the same time.
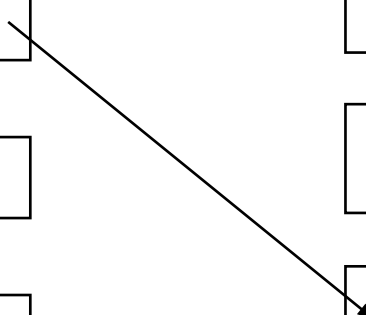
Question 6 (5 Marks)

From each statement in the table below and state if it is Ethical or Unethical by ticking (✓) the correct column. An example is given.

	Statement	Ethical	Unethical
(a)	Stealing equipment from computer laboratory.		✓
(b)	Using someone else's username and password.		
(c)	Making a copy of your project work.		
(d)	Using someone's computer without asking for permission.		
(e)	Copying your friend's homework and presenting it as your own work.		
(f)	Posting unpleasant messages on social media.		

Question 7 (5 Marks)

Column A contains a list of problems you may encounter when using a computer system. Column B contains some basic troubleshooting techniques.

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

	Column A		Column B
(i)	**The sound is not working.**	**1**	Open recycle bin and use restore to get it back.
(ii)	The laptop cannot be shut down.	**2**	Scan your computer for viruses.
(iii)	The printer is not working.	**3**	**Make sure external speakers are properly plugged in.**
(iv)	The computer does not start.	**4**	Click the mouse or press any key on the keyboard.
(v)	A file has been deleted by accident.	**5**	Remove battery to force shut down.
(vi)	All programs on the computer run slowly.	**6**	Check that the power cord is plugged to the power outlet.
		7	Remove jammed paper and try again.
		8	Change the batteries and try again.

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)
3					

Question 8 (3 Marks)

The picture below is found at the beginning of a book. Study it carefully and answer the questions that follow.

Contents

(a)   The picture represents a ....

(b)   There are .... chapters in the book.

(c)   To learn about Primary storage, we must go to page ....

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY   **Practice Paper 4**
                                                                                             40 Minutes

_____

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- Read each question carefully.
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- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 [5 Marks]

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a)   The ………………………… is a high-capacity secondary storage device that is used store programs and data on a computer system.

A   Memory card   B   CD

C   DVD   D   Hard disk

(b)   A ………………………… is an example of a single-user computer.

        A   Mainframe computer
        B   Minicomputer
        C   Supercomputer
        D   Microcomputer

(c)   Which formula to calculate the sum of a range of cells in excel is correct.

        A   = total (B5:B10)
        B   sum (B5:B10)
        C   = sum (B5:B10)
        D   total (B5:B10)

(d) Which of the following is a device used to get a printed copy of a document?

A   Mouse   B   Monitor

C   Keyboard   D   Printer

(e)   Which of the following is a network of computers connecting them worldwide?

     A   LAN
     B   WAN
     C   PAN
     D   SAN

Question 2 [5 Marks]

Tick (✓) True or False next to each of the statements below. An **example** has been given.

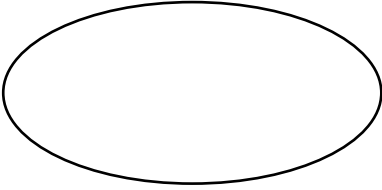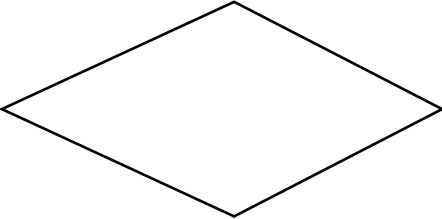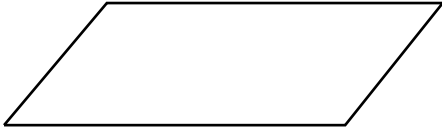|	Statement	True	False
	Refining our web searches reduces the number of results.	✓	
(i)	The monitor is a high-capacity storage device.		
(ii)	RAM is an internal memory that stores data permanently.		
(iii)	A mouse is an input device that allow us to type text.		
(iv)	A speaker outputs sound from a computer.		
(v)	PowerPoint allows us to create slides to be used for presentation.		

Question 3 [5 Marks]

Fill in the blanks with the correct word from the list given below.

    Mouse   **Touch Screen**   **Microphone**   **Digital Camera**   **Keyboard**

a)   A .... is used to input text and numbers.

b)   A .... is used to make selection on the screen.

c)   A .... is used to record voices and save it in a computer.

d)   A .... is used to interact with the computer through touch.

e)   A .... is used to capture pictures and record videos.

Question 4 [5 Marks]

Match the appropriate flowchart symbols to the corresponding tasks

Flowchart Symbol		Tasks
(oval)		To indicate the start or end of a flowchart
(diamond)		To indicate the flow of data
(arrow)		To enter data or display results
(parallelogram)		To indicate a choice
(rectangle)		To represent a calculation

Question 5 [5 Marks]

Fill in the blanks with the correct word from the list given below.

hertz	virus	animated clip	single-user	eye strain

(i) Pain in the eyes caused by using a monitor for too much time is called ....

(ii) The speed of the computer is measured in ....

(iii) A series of images displayed in sequence to produce a movie is called ....

(iv) A .... may delete important files and slow down a computer system.

(v) A .... operating system supports only one person at a time.

Question 6 [5 Marks]

(a) Name an appropriate device for each of the following tasks. One example has been given

	Statement	Device
e.g.	Typing a letter	**Keyboard**
(i)	To listen to music privately.	
(ii)	To print very large high-quality drawing like huge posters, building plans and maps.	
(iii)	To convert a printed photograph into a digital image.	
(iv)	To play computer games with several control buttons.	
(v)	To capture price of an article in supermarkets.	

Question 7 [5 Marks]

Give the full name of the following abbreviations. An example has been given to you:

RSI: Repetitive Strain Injury

a)   CPU: ....

b)   LCD: ....

c)   ROM: ....

d)   VPN: ....

e)   HTML: ....

Question 8 [5 Marks]

Rearrange the following units of measuring storage capacity starting from the smallest.

   Kilobyte   **Byte**   **Megabyte**   **Nibble**   **Gigabyte**

   1 ....

   2 ....

   3 ....

   4 ....

   5 ....

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 5
40 Minutes

_____

**Read these instructions first**

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Name of student : ....

Question 1 [5 Marks]

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which of the following is a web browser?

A

B

C

D
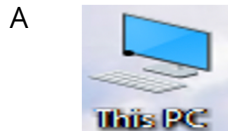
(b) The term ……………………….. means buying and selling goods online.

    A   E-banking
    B   E-learning
    C   Teleworking
    D   E-commerce

(c) A hardware or software that prevents unauthorised access to a private network ………………………… .

    A   Firewall
    B   It is a storage device
    C   Resources can be shared among users
    D   Expensive peripheral devices like printer can be shared

(d) A ………………………… is a software that affects a computer.

    A   Hacker
    B   Virus
    C   Backup
    D   Unethical

(e) Sending and receiving mails electronically using the Internet is called ………………………… .

    A   Web browser
    B   URL
    C   E-mail
    D   Network

Question 2 [6 Marks]

Match the appropriate term to the corresponding statements.

	Term		Statement
(i)	**Virus**		1. Someone who accesses a computer system illegally.
(ii)	Router		2. A commonly used social networking software.
(iii)	Facebook		3. A function in Excel to count the number of cells that meet a specific condition.
(iv)	Header		4. A group of 8 bits.
(v)	Count If		5. A section of a document that appears on the top of every page of a document.
(vi)	Hacker		6. A hardware that allows two or more networks to be connected.
(vii)	Byte		7. **A program intentionally created to cause harm to a computer**

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)
7						

Question 3 [5 Marks]

For each of the following tasks, identify the most suitable input device. An example has been done for you.

(i)	**To play computer games.**	**Joystick**
(ii)	To store the operating system and other important files.	
(iii)	Open a file on the desktop.	
(iv)	An output device where a softcopy is obtained.	
(v)	Show a video clip to a group of students.	
(vi)	Print a 3D object.	

Question 4 [6 Marks]

Name the devices A, B, C, D, E and F using the words from the list.

A	B	C

D	E	F

Pen Drive	Webcam	Printer
Speaker	Scanner	Keyboard

A ....

B ....

C ....

D ....

E ....

F ....

Question 5 [4 Marks]

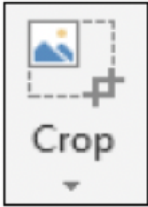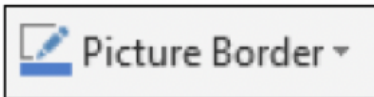**Match the following icons with its appropriate description.**

(i)   Puts a border around an image

Crop

(ii)   Removes unwanted parts of a picture

Picture Border

(iii)   Puts a border around a page

Page Borders

(iv)   Copies the formatting of a text to another

Format Painter

36

Question 6 [5 Marks]

Give the full name of the following abbreviations. An example has been given to you:

VDU   **V**isual **D**isplay **U**nit

(i)   CD ....

(ii)   LED ....

(iii)   ROM ....

(iv)   WAN ....

(v)   ISP ....

Question 7 [4 Marks]

Rearrange the following types of computers according to their computing power. Start with the lowest power.

Minicomputer   Mainframecomputer   Microcomputer   Supercomputer

1 ....

2 ....

3 ....

4 ....

Question 8 [5 Marks]

Five descriptions of ROM and RAM are given below. Tick (✓) the appropriate column.

	ROM	**RAM**
Is non-volatile.		
Is temporary memory.		
Its contents cannot be changed by the user.		
Stores instructions to start up the computer.		
Holds programs currently being used.		

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 6
40 Minutes
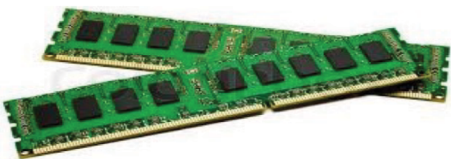
_____

Read these instructions first

- Write your name in the space provided below.
- Use black or blue ink.
- HB pencils may be used for the diagrams / sketches only.
- Do not use correction fluid.
- Read each question carefully.
- All answers must be written in the spaces provided.
- Answer all questions.
- The number of marks is given in the brackets [ ] at the end of each question or part question.
- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 [6 Marks]

Use words given below to label the following hardware in the picture.

Microphone   Hard disk   Laptop   Mouse   RAM chips   DVD

| 1		....
2		....
3		....
4		....
5		....
6		....

41

Question 2 [7 Marks]

Indicate whether the following statements are True or False by ticking the appropriate box as shown in the example.

	STATEMENTS	TRUE	FALSE
	CPU means central processing unit	✓	
1	A computer game is an example of software.		
2	We must use computers with regular breaks.		
3	We can run and play in the computer lab.		
4	A monitor is a storage device.		
5	A motherboard is a software.		
6	Microsoft paint is a hardware.		
7	When the enter key is pressed on the keyboard, the cursor goes to the next line.		

Question 3 [4 Marks]

The diagram below shows the basic operations of a computer. Use words below to label the diagram.

Storage   Output   Process   Input
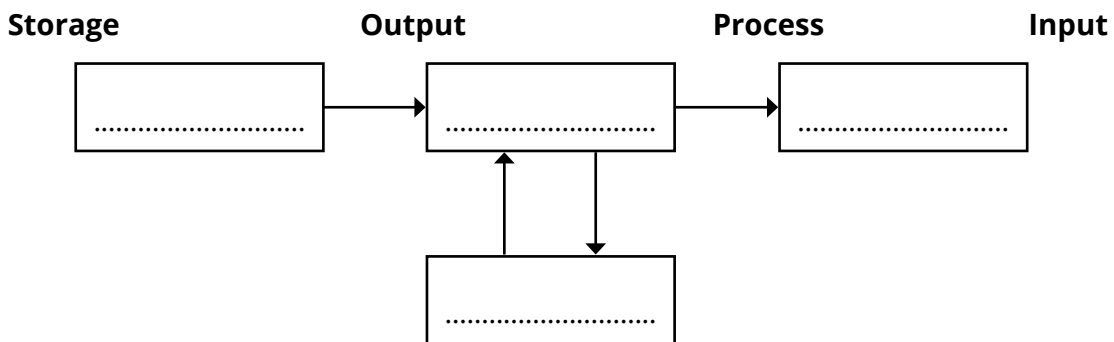
Question 4 [3 Marks]

Name the following buttons using the following words.

Close button	Minimize	Restore

1. ....

2. ....

3. ....

Question 5 [5 Marks]
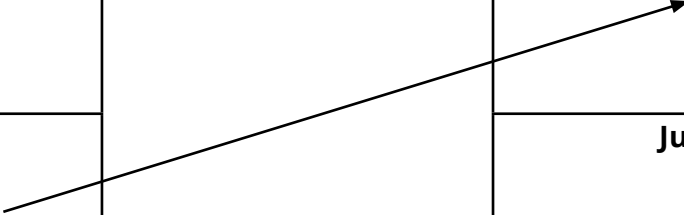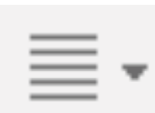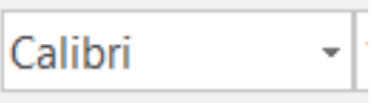
State whether the following are HARDWARE or SOFTWARE by writing the word hardware or software next to each statement.

Example: MONITOR: Hardware

1.   MOTHERBOARD   ....

2.   OPERATING SYSTEM ....

3.   MICROSOFT PAINT   ....

4.   GRAPHIC CARD   ....

5.   WEB BROWSER   ....

Question 6 [7 Marks]

Match the following. An example has been given.

Column A		Column B
		Bold
		Justify
		Align Left
		Font
		Align Right
Calibri		**Bullets**
		Center
		Italic

Question 7 [8 Marks]

Fill in the blanks with the correct word from the list given below.

internal	bold	external	underline
ISP	primary key	super computer	blogger

(a)   The most powerful computer is ……………………….. .

(b)   Hardware found inside the system unit is called …………………………. hardware and hardware found outside the system unit is called …………………………. hardware.

(c)   A company that provides Internet access to its users is called an …………………………. .

(d)   The …………………………. is a unique key that can be used for searching.

(e)   In word, the icon with letter **U** represent …………………………. and the icon with letter **B** represent …………………………. .

(f)   A …………………………. is someone that writes blog.

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 7

40 Minutes

_____

Read these instructions first

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- Read each question carefully.
- All answers must be written in the spaces provided.
- Answer all questions.
- The number of marks is given in the brackets [ ] at the end of each question or part question.
- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (10 Marks)

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which of the following software is used for typing documents?

A   C

B   D

(b) Which of the following is an output device?

    A   Mouse   **C**   Printer

    B   Keyboard   **D**   CD-ROM

(c) A laptop is an example of a ………………………… .

    A   Minicomputer   **C**   Mainframe

    B   Microcomputer   **D**   Multi-user system

(d) A byte consists of ………………………… .

    A   1 bit   **C**   1000 bits

    B   2 bits   **D**   8 bits

(e) Which of the following is an example of an application software?

A   Android   **C**   Windows

B   Word processor   **D**   MacOs

(f) Teleworking can be defined as ………………………… .

A   Working in office only   **C**   Working in office using internet facilities

B   Working from home using internet facilities   **D**   Working from home only

(g) ATM means ………………………… .

A   Automatic teller machine   **C**   Automatic table machine

B   Augmented teller machine   **D**   Automatic transaction machine

(h) RAM means

A   Random Access Memory   **C**   Read Access Memory

B   Random Able Memory   **D**   Read Able Memory

(i) Back up means ………………………… .

A   to delete the original document   **C**   to keep a copy of the original file in another location

B   to modify the original document   **D**   to print the document

(j) One of the health issues related to the prolonged use of computers is ………………………… .

A back pain		**C** coughing	
B fever		**D** broken leg	

Question 2 (10 Marks)

Fill in the blanks with the correct word from the list given below.

ISP	plotter	nibble	spam	LAN
bottom	credit Card	network	speaker notes	Web browser

(a) Online shopping is done using a ………………………… .

(b) Undesired E-mail are called ………………………… .

(c) A company that offers internet services is called ………………………… .

(d) A ………………………… is a set of two or more computers or nodes connected together.

(e) A flowchart is read from top to ………………………… .

(f) A ………………………… allows the user to view web pages.

(g) A ………………………… is a network that is found within a building.

(h) A hardware that is much like a printer and is used for large quality printouts is called a

………………………… .

(i) A ………………………… is a group of 4 bits.

(j) A feature of presentation software is ………………………… .

Question 3 (10 Marks)

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

	Column A		Column B
(i)	**Hardware**	1	It outputs sound.
(ii)	Speaker	2	It connects devices within a room.
(iii)	Video conferencing	3	It is the most important software that runs on the computer.
(iv)	E-banking	4	It is used to play games and operate cranes.
(v)	PAN	5	Electronic meeting between 2 or more people.
(vi)	Search engine	**6**	**The physical parts of a computer system.**
(vii)	Operating system	7	It is a measurement for the speed of the computer.
(viii)	Joystick	8	Use of internet to perform banking transaction.
(ix)	ROM	9	It is used to identify a record in a table.
(x)	Primary Key	10	It is a non-volatile memory.
(xi)	Hertz	11	It helps people to find information on the internet using keywords.

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)	(xi)
6										

Question 4 (4 Marks)

The icons below show the 4 examples of text alignment. Label the icons appropriately.

Icons	Description

Question 5 (6 Marks)

Tick **(✓) True** or **False** next to each of the statements below. An **example** has been provided.

		TRUE	FALSE
	A flowchart is drawn using specific symbol.	✓	
	In python programming language the word PRINT is used to display a message		
	A query in a database is used to input data into a table.		
	A ring network is an example of topology.		
	A table of contents contains page numbers.		
	A podcast is a text-based communication that is in real time.		
	Data can be lost due to accidental deletion.		

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 8
40 Minutes

_____

Read these instructions first

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- Read each question carefully.
- All answers must be written in the spaces provided.
- Answer all questions.
- The number of marks is given in the brackets [ ] at the end of each question or part question.
- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (10 Marks)

For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which input device can be used to replace a mouse?

A Touchpad **C**

B **D**

(b) Physical parts of a computer are called ....

    A software   **C** memory card

    B cash   **D** hardware

(c) Which of the following is an example of an operating system?

    A Word processor   **C** Spreadsheet

    B Android   **D** Computer games

(d) Which of the following devices can be used to play computer games?

    A Scanner   **C** Fan

    B Printer   **D** Joystick

(e) Software are ....

    A peripheral devices   **C** computer memory

    B computer programs   **D** devices that output sound

(f) All formulas in spreadsheet starts with ………………………… .

    A   **=** sign   **C** * sign

    B   + sign   **D** $ sign

(g) Each cell in a spreadsheet has a unique ………………………… .

    A   formula   **C** Address

    B   calculation   **D**   to print the document

(h) The speed of the computer is measured in ………………………… .

    A   meter   **C** kilobyte

    B   kilogram   **D**   hertz

(i) RAM and ROM are considered as ………………………… .

    A   software   **C** internal memory

    B   external memory   **D**   secondary memory

(j) In a database, a single item of information in a table is called ………………………… .

    A   record   **C** data

    B   cell   **D**   field

Question 2 (10 Marks)

Fill in the blanks with the correct word from the list given below.

LAN	word processor	left	Linux	text formatting
byte	draft	dry run	hacker	eye strain

(a) Email that has not been sent yet is called ……………………… .

(b) Using the computer for long hours may cause ……………………… .

(c) A network that is found within a building only is called ……………………… .

(d) The output of a flowchart can be determine using ……………………… .

(e) A ……………………… is a software used to type letters.

(f) A ……………………… is a group of 8 bits.

(g) A ……………………… is someone who accesses a computer illegally.

(h) In a word processor, text is aligned ……………………… by default.

(i) An example of a free operating system is ……………………… .

(j) To change the appearance of a text in a word processor is called ……………………… .

Question 3 (10 Marks)

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

	Column A		Column B
(i)	**Hardware**	1	It is a network of storage devices accessible to multiple servers.
(ii)	Printer	2	A group of related fields.
(iii)	SAN (Storage Area Network)	3	A company that offers internet access to its customers.
(iv)	Handouts	4	A unique key to identify a record.
(v)	ISP (Internet Service Provider)	5	Non-volatile memory.
(vi)	A nibble	**6**	**The physical parts of a computer system.**
(vii)	ROM (Read Only Memory)	7	Output device that produces hardcopy.
(viii)	Primary key	8	It produces its own results based on data collected from search engines
(ix)	Record	9	Printed copies of slides that a presenter gives to the audience
(x)	Meta search engines	10	Volatile memory
(xi)	RAM (Random Access Memory)	11	Is equal to 4 bits

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(xi)	(xi)
6										

Question 4 (4 Marks)

The stages below show how to create an animated clip. Put them in the right order. Insert 1,2,3,4 in the square box.

Steps	Sequence
Use movie maker to import pictures	
Design a storyboard	
Edit movie	
Save movie	

Question 5 (6 Marks)

Tick **(✓) True** or **False** next to each of the statements below. An **example** has been provided.

		TRUE	FALSE
	A flowchart is drawn using specific symbols.	✓	
	An example of a loop in programming is a While …. End While loop.		
	The word "Computer" is equal to 10 bytes.		
	A bit is the smallest unit of measurement.		
	A web browser allows us to perform calculations. A web browser a		
	Copyright does not protect the owner of the work.		
	1 Gigabyte (GB) is larger than Terabyte (TB).		

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY

Practice Paper 9
40 Minutes

_____

Read these instructions first

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- All answers must be written in the spaces provided.
- Answer all questions.
- The number of marks is given in the brackets [ ] at the end of each question or part question.
- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (7 Marks)

The table shows the marks obtained by eight students in four different subjects in an examination.

	A	B	C	D	E	F	G
1	**Name**	**English**	**ICT**	**Science**	**Maths**	**Total**	**Average mark**
2	Ali	45	29	30	38	142	35.5
3	Camille	34	70	54	45	203	50.8
4	Dylan	58	56	70	82	266	66.5
5	Bella	82	50	25	44	201	50.2
6	Jill	51	72	55	75	253	63.2
8	Anil	65	64	72	87	288	72.0
9	Minimum	34	29	25	38		
10	Maximum	82	72	72	87		

Table: Examination results

Refer to the above table and answer the following questions. For each of the questions below, four options (**A, B, C** and **D**) are given. Choose and **circle** the correct one. Only one **option** is correct in each question.

(a) Which student scored the maximum mark in English?

    A   Bella
    B   Dylan
    C   Ali
    D   Anil

(b) Which student scored the minimum mark in ICT?

    A   Camille
    B   Anil
    C   Ali
    D   Jill

(c) Which formula is used to calculate the total marks for Dylan?

        A   = total (B4:E4)
        B   = total (C4:F4)
        C   = sum (C4:F4)
        D   = sum (B4:E4)

(d) Which formula is used to calculate the minimum marks for Maths?

        A   = minimum (B4 : E4)
        B   = min (C4 : F4)
        C   = min (E2 : E8)
        D   = minimum (E2 : E8)

(e) Which formula is used to calculate the average marks for Ali?

        A   = average (B4 : E4)
        B   = average (B2 : E2)
        C   = average (E2 : E8)
        D   = average (E2 : E8)

(f) Which formula is used to calculate the maximum marks for science?

        A   = max (D2 : D8)
        B   = maxi (C4 : F4)
        C   = maximum (E2 : E8)
        D   = max (E2 : E8)

(g) Which student got the highest average mark?

        A   Ali
        B   Anil
        C   Camille
        D   Bella

Question 2 (8 Marks)

Study the picture below. Label each part numbered 1 to 8 in the table provided below:

1		5	
2		6	
3		7	
4		8	

Question 3 (6 Marks)

Tick (✓) one box in each row to show whether each device is used for storage, input or output. The first one has already been done for you. [6 Marks]

DEVICES	INPUT	OUTPUT	STORAGE
Speaker		✓	
Sensor			
Plotter			
Hard disk			
Microphone			
DVD			
Keyboard			

Question 4 (6 Marks)

Complete the table below by choosing the appropriate text from the given list to match each device with its use.

[to obtain hardcopy, commonly used to play computer games, to save programs and data, to select an icon on the screen,nto display video output from a computer, to enter text]
[6 Marks]

DEVICE	USE
Mouse	
Keyboard	
Monitor	
Joystick	
Hard disk drive	
Printer	

Question 5 (6 Marks)

State whether the following are HARDWARE or SOFTWARE by writing the word hardware or software next to each item. [6 Marks]

1. COMPUTER GAMES ………………………………………
2. ROUTER ……………………………………………
3. NIC ………………………………………………
4. GOOGLE CHROME …………………………………………
5. ANTIVIRUS …………………………………………
6. MICROSOFT POWER POINT …………………………………………

Question 6 - Below is a letter sent by a student to his form teacher after a long absence. [7 Marks]

W

SUBJECT: LETTER OF EXCUSE FOR ABSENCE

From: Ali Baba

Date: 29th of June, 2021

X

Y

To,

The Grade master,

ABC School,

Royal road,

Reduit.

Z

Dear Educator,

This is to inform you that I was suffering from asthma due to which I was hospitalised from 24th June 2021 to 28th June 2021. I could not attend school because of this health concern.

I am recovering now and can attend classes regularly, therefore I am resuming classes on 29thof June, 2021. I request you to consider my absences. I would be highly obliged.

Thanking you

Yours sincerely,

Ali Baba

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

	Column A		Column B
(i)	**Applying a formatting multiple times**	1	Superscripts
(ii)	The heading starting with "SUBJECT:"labelled letter **W** is	2	Text formatting
(iii)	The main text paragraph starting from **"This is to inform you…"** are	3	Align left
(iv)	The date "29th June 2021", the letters "**th**" labelled letter **Y** are in	4	Bold, Underline and centered
(v)	The character format of the text labelled **X** is	5	Justify
(vi)	Changing the font size of a text is called	**6**	Bold
(vii)	The font style of the sender's name "**Ali Baba**"of the letter is in	7	Align right
(viii)	The character format of the text labelled **Z** is	8	**Format painter**

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)
8							

GRADE 9+

Extended Programme

INFORMATION & COMMUNICATION TECHNOLOGY **Practice Paper 10**
40 Minutes

_____

Read these instructions first

- Write your name in the space provided below.
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- Answer all questions.
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- The total mark for this paper is 40 marks.

Name of student : ....

Question 1 (3 Marks)

(a) Which of these is an example of a database?

       A   A video game
       B   A bag
       C   A car
       D   A telephone directory

(b) What is an electronic database?

       A   A database that is available on a computer
       B   A database that was created in a library
       C   A database that includes information about electronics
       D   A database that consists of paper records

(c) Study the database table below.

CAR MAKE	CAR MODEL	CAR ENGINE CAPACITY (CC)
Volkswagen	Passat	1600
Toyota	Vitz	1000
Mitsubishi	Lancer	1400
Mercedes	Benz	2000

How many fields are in the database?

       A   3
       B   4
       C   5
       D   6

Question 2 (4 Marks)

A database is being created. Choose the correct data type for each field listed in the table below. Choose your answer from the following list.

Number	Date/time	Autonumber	Text

	FIELD NAME	DATATYPE
(i)	PatientID	
(ii)	Patient name	

(iii)	Patient phone number	
(iv)	Date and time attended	

Question 3 (5 Marks)

Five database terms and **five** statements are listed below. Draw a line to match the database term with the most appropriate statement on the right-hand side.
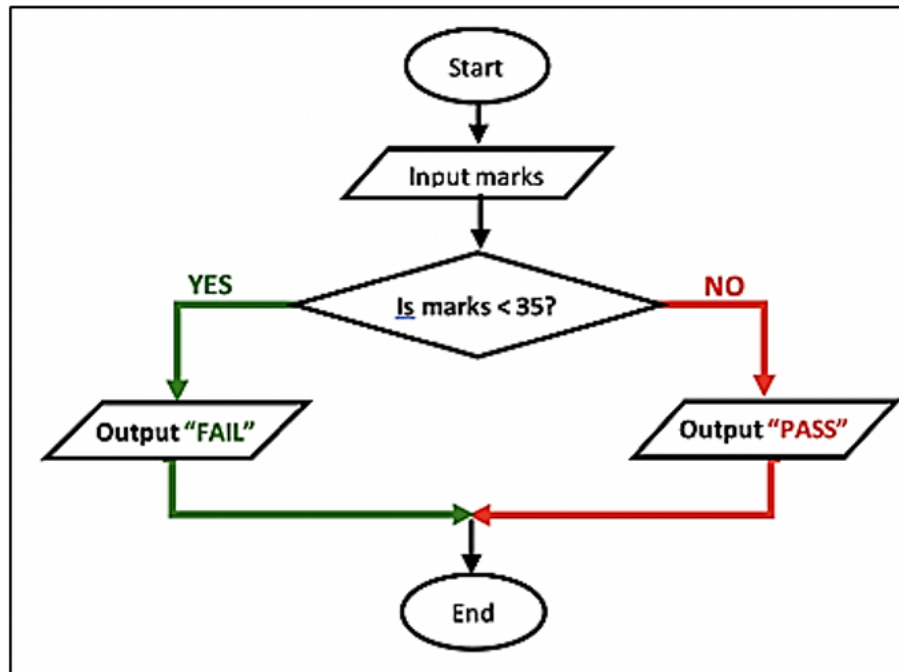
Database Term   **Statement**

Record   ●   ● A unique key that can be used to search a database.

Primary key   ●   ● A collection of related data (rows)

Field   ●   ● Used to enter, edit and or display data from a table

Form   ●   ● A request for information from a database.

Query   ●   ● A column heading that contains a similar group of data.

Question 4 (4 Marks)

Study the following flowchart.

Dry run the flowchart using the values given in the table below.

	Marks	Output
(i)	25	
(ii)	35	
(iii)	0	
(iv)	99	

Question 5 (10 Marks)

Fill in the blanks with the correct word from the list given below.

Wi-Fi	vodcast	WAN	several	chat
router	intranet	forum	podcast	MAN

(a)   A computer network that covers a very large geographical area is called a

.... while a computer network that covers a city or town is called a

....

(b)   A private online network accessible to members within an organization is called a/

an ....

(c)   Wireless networking technology that allows devices to connect to the Internet is

called a ....

(d)   A device that extends the connection to computers is called a ....

(e)   A meta search engine gives results based on a combination of results from

.... search engines.

(f)   A video cast that is uploaded and distributed is called a/an .... while a/

an .... is the process of capturing and posting an audio event.

(g)   A live or real-time and text-based communication is called a ....

(h)   An online discussion site on the Internet is called a/an ....

Question 6 (9 Marks)

Match **Column A to Column B** by writing down the corresponding number in the **Answer Grid** below. An **example** has been provided in the Answer Grid.

	Column A		Column B
(i)	**Hacking**	1	Uncontrollable use of video games for a long period of time.
(ii)	Plagiarism	2	Illegal copying, distribution and use of software.
(iii)	Copyright	3	A method of making copies of important data in case original data is lost.
(iv)	One feature of the data protection act	4	Copying another person's work and claiming it to be our own original work.
(v)	Software piracy	5	A harmful program that may cause loss of data in a computer.
(vi)	Ethics	**6**	**Gaining unauthorised access to a computer system.**
(vii)	Backup	7	A law giving the owner of an original work the right to stop others from copying his/her work without permission.
(viii)	Computer crime	8	Any information collected should be true, accurate and UpToDate.
(ix)	Game addiction	9	A set of principles that guide the use of computers.
(x)	Virus	10	Dishonest practices involving the use of computers.

Answer Grid

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
6									

Question 7 (5 Marks)

A list of network topologies is shown on the left. Name each topology by using the correct word from the list given below.

Star topology	Ring topology	Bus topology	Mesh topology	Tree topology

	DIAGRAM	TOPOLOGY NAME
(I)		....
(II)		....
(III)		....
(IV)		....
(V)		....