GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

UNE 2025			ADVANCED LEVEL	
Centre Number	. 6			
Centre Name	to real time of the		1. 8 gg-11 /-	
Candidate Number	Same a second	1	A Mariana B	
Candidate Name	na datasa 🗸 🐪 🗎		Lynn Lynn - 11	

Mobile phones are NOT allowed in the examination room.

MULTIPLE CHOICE QUESTION PAPER

Duration: One and a Half Hours

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.

- DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.

Before the examination begins:

- Check that this question booklet is headed "0796 Information and Communication Technologies 1"
- Fill in the information required in the spaces provided above.
- Fill in the information required in the spaces provided on the answer sheet using your HB pencil: 5. Candidate Number and Name, Centre Number and Name. Take care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions. district a single which is foreign as

How to answer the questions in this examination

- 6. Answer ALL the 50 questions in this Examination. All questions carry equal marks.
- 7. Electronics calculators are not allowed
- 8. Each question has FOUR suggested answers: A, B, C and D. Decide on which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.

For example, if C is your correct answer, mark C as shown below:

comment in it

(A) (B) (G) (D)

- Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
- Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
- 11. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
- At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet after. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.

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A magnetic ink character recognition. B optical mark reader. C barcode reader. D optical character recognition. A router. B network interface card cuniversal Serial bus. D switch. C universal Serial bus. D switch. 12. One strategy to implement a recognition. A gateway. B firewall. C router. D bridge. C piece-meal. D design. 3. Information retrieval is faster from 13. The duration of a project can	5
C barcode reader. D optical character recognition. C universal Serial bus. D switch. C universal Serial bus. D switch. 12. One strategy to implement a recognition. A gateway. B firewall. C router. D bridge. D bridge. C universal Serial bus. D switch. C piece-meal. D design.	
D optical character recognition. D switch. 2. A device that limits access to a private network is A gateway. B firewall. C router. D bridge. D optical character recognition. D switch. 12. One strategy to implement a recognition. A prototyping. B waterfall. C piece-meal. D design.	
A gateway, B firewall, C router, D bridge, D b	
A gateway. B firewall. C router. D bridge.	new system in SDLG.
B firewall. C router. C bridge.	iew system in SDLC is
C router, D bridge.	
D bridge.	
3. Information retrieval is faster from 13 The duration of a project can	
	be determined by
A floppy disk. A counting the steps used	
B magnetic tape. B counting the number o	
C CD-ROM. C calculating the duration	
D hard disk. longest path.	ar than san the
D determine the number	of workers.
4. Which of these groups contains graphic file extensions?	
A JPG, CPX, GCM. 14. The longest path in a project,	not necessarily with the
B GIF, TCE, AVI. highest number of tasks is kn	
C TCP, JPG, BMP. A determinant	
D JPG, GIF, TIFF. B lag path	
C critical path	
D. alask mith	. ~O
5. Weather forecasting can be done using A decision support system.	
B management information system. 15. The calculation of the cost of	a project is carried out in
C artificial Intelligence. the phase of SDI	
용하는 생님, 보고 있었다는 이렇게 하셨다면서 생각하셨다면 살아가 하나 보고 있다면 보이고 있다. 그렇게 되었다는 사람들이 되었다는 사람들이 하면 생각이 하고 있다면 하다. 그렇게 되었다는 생각이 되었다.	
B investigation.	
6. A magnetic tape stores data while a CD- C analysis.	
ROM stores data D implementation.	1 1
A sequentially, randomly. B socially circularly 16. A student installed open sour	an and Original in high an
B scriary, circularly.	
C directly, randomly. laptop. One possible reason f D directly sequentially A it is never blocked duri	
	ing access
B it is free to use	
7. The transmission of a group of bits, one after another C can be modified by use	er .
through a single wire is known as D many users can use it.	
A full-duplex.	6
B parallel. 17. The formula = $C2*B$3-K1 i$	s found in a spreadsheet
C synchronous.	ed, then the formula in F:
D serial. shall be	-0
$\Lambda = C2*B\$3-K4.$	
8. The components in the motherboard communicate B =\$C5*B\$5-K4.	
through the C =\$C5*B\$3-K4.	
A registers D =\$C2*B\$3-K5.	
15 cache	
C bus 18 A database has three related to	ables. Which of the
D control unit following is true about the tal	
A The tables all have cor	responding records.
9. When the hub of a LAN gets bad, which of the B The tables must have t	he same number of
following devices can be used to replace it?	
A Gateway. C There should be a key	that is common
B NIC. between the linked tab	les.
C Bridge. D They should be a one-	o-many relationships.
D Switch.	
19. Which of the following is not	possible with
10. A programming paradigms is characterised by spreadsheet?	5
A language used. A Link cells of different	sheets.
B type of programming structures involved. B Insert pictures.	
C environment used to program. C Draw objects e.g. circl	es.
D Create relationships	
00/0796/1 Go on to the next page	

		3	
20.	A programming structure that carries out repeated	29.	The phone
	execution of a set of instruction is	29.	The pheno making us
	A branch.		
	B decision.		Λ digi B tech
	C loop.		C digi
	D sequence.		D digi
21.	Which of the following is true about synchronous	30.	When peo
Teles.	transmission of data?	50.	money wit
	A All bits are sent simultaneously.		A hacl
	B Timing of streaming is by a clock.	~O,	B phis
	C A group of bits is sent at a time through		C crac
	single cable.		D scar
	D Many lines are used to transmit a byte of bits.	$\frac{1}{31}$.	Decomons
22.	Parallel transmission is not switchly 6	31.	Program e
22.	Parallel transmission is not suitable for long distance transmission because		programs ass
	A the signals will lose strength fast.		1
	B the bits might become mixed up.		B hig C mad
	transmission and 1.6		D 4G
	change but strength maintain.		D 40
	D some lines will be underused.	$\overline{32}$.	The main
	of undertised.	.0	A prot
23.	A security measure that limits information access and		B gatl
	disclosure only to authorised users is referred to as		sen
	A confidentiality.		. C It ta
	B integrity.		and
	C availability.		D take
	D authenticity.		
	and the property of the second	33.	The design
24.	When a node in a ring network breaks down the		problems
	A nodes that connect directly to it stop		A digi
	functioning.)	B carp
	B the whole network fails.		C ergo D teno
	C the token continues to run.		D teno
	D other nodes continue to function.	34.	The comp
25.	Which of the following is the best action that can speed		A time
	up communication in a network?		B time
	A Reduce the cable distance between nodes.		C space
	B Step-up the RAM size of the computers		D time
	C Reduce the number of devices in the network	.0	
	D Use wireless communication and not cable	35.	The right
2.6			organisati
26.	A software that provides the environment between the		A law
	user and computer system is known as		B data
	A utility software.		C ethi
	B language translator.		D lega
	C operating system.	36.	
	D compiler.	30.	An action system ca
27.			A use
	A file format is used to describe		B use
	A how files are files are displayed in the		C use
	computer.		D defi
	B how files function in the computer.		
	C arrangement of data inside a file.	37.	What topo
	D the way files are created by the computer.		central co
28.	Which of the Call		A Sta
	Which of the following affect the integrity of data? A The number of people who access the data		B Bu
	A The number of people who access the data.		C Me

The number of programs accessing the data.
The technology of the storage medium.
The speed of transmission of the data.

29.	The phenomenon that limits a group of people from making use of digital technology is known as		
	A digital divide.		
	B technology separation.		
	C digital illiteracy.		
	D digital disability.		
30.	When people deceive people using networks and colle		
	money without compliance it is known as		
	A hacking.		
	B phishing.		
	C cracking. D scamming.		
21			
31.	Program execution time would be minimize if the programs are written in		
	A assembly language.		
	B high level language.		
1 Y	C machine language.		
	D 4G language.		
32.	The main function of		
32.	The main function of a spyware is A protects our computers from intruders		
	A protects our computers from intruders. B gathers information from a computer and		
	send to another person in a network.		
	C It takes records of activities in a computer		
	and propose actions to avoid failure.		
	D takes video of the computer environment.		
33.	The design of special equipment to reduce health		
	problems in computer users is known as		
	A digital design.		
	B carpal Tunnel Syndrome.		
	C ergonomics		
	D tendonitis		
34.	The complexity of an algorithm defines		
LΥ	A time and space		
	B time and cost.		
	C space and cost.		
	D time and scope.		
35.	The right for people to know what information other		
	organisations store about you is defined by		
	A laws on cyber security.		
	B data protection act.		
	C ethics.		
	D legacy.		
36.	An action that can lead to faster access to files in the		
	system can be		
	A use of external storage		
	B use of antivirus software		
	C use of a common folder for files		
	D defragmentation of the hard disk		
37.	What topology is used to describe a network with a		
	central controller?		
	A Star.		
	B Bus.		
	C Mesh.		
	D Ring.		
	D Ring.		

B C D

- automation.
- B embedded system.
- C expert system.
- monitoring system. D

39.	An organization implements a system in one department
	and later implements it in all other departments. This
	type of implementation is

38. A system that gives information on cars position as it

geographic information system

management information system

monitoring system

moves about a city is known as

expert system

A pilot.

B

C

- B piece meal.
- C parallel.
- direct.
- When an organizational intranet gives control access to 40. another intranet, the system becomes

nt parent pli Uti

- a shareware. general divisions
- B a web.
- C an internet.
- D an extranet.
- 41. When data is stored on one large table, it is likely going to be characterized by: A consistency:

 - B logic.
 - B logic.
 C redundancy.
 D coherence.
- Normalisation of database involves
 - A removing errors from the database.
 - B reducing the number of tables.
 - C creating smaller linked tables.
 - D using database in a network.
- 43. If a number of attributes partially depends on a composite key, we improve our database by
 - eliminating the key, a land part of
 - reinforcing referential integrity.
 - creating a new table of these attributes and the key.

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D merge all the dependent attributes. at bearight a contract the sign of the sign and the

Arrandon final con femily to bester in cost at the on the

and the frontier soften that the street and the

functions is known as modelling.

The use of computers to show how a given model

45.

- smart animation. B
- C prototyping.
- simulation. D
- A system that records the items bought and produce a 46. bill in a supermarket is called?
 - Transaction processing system.
 - Management information system.
 - C Data entry system.
 - D Business system.
- 47. The device that splits bits over several lines of transmission is
 - Modem. A
 - Switch.
 - Multiplexer. C
 - Demultiplexer.
- What determines the amounts of bits to be transmitted at a time? I street and and the bland bearing
 - A Motherboard.
 - B Switch.
 - C Bus size.
 - D Ramine of antideou maket sale
- material of contrate rains, carlo The best location to temporally store an instruction that is repeatedly used by the CPU is a load?
 - A RAMme more and resignant armore the
 - selan BerzROM, with side, ortenno M. V.
 - CroinC no register. A M. MAR and on gote St
 - drouten aD a cache to to common all someth the way were a manufactured and and are expla-
 - A system building approach that repeatedly refines a 50. model until an acceptable product is realised is
 - A aprototyping. A commence beaution

 - SDLC. Suppose with spiral. Spiral spi C
 - V-Shaped. http://www.jed.com/s-

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