Provincial Department of Education Northern Province மாகாணக் கல்வித் திணைக்களம் - வடக்குமாகாணம்						
Diagnostic Test– 2021						
ICT – I,II						
Name / Index No :Grade : 10Time:- Three Hor	urs					
Part 1 Which of the following contains only secondary storage devices? (1) CD, Printer, DVD, Hard Disk (2) Hard Disk, Screen, CD, Flash Drive (3) Hard Disk, CD, Flash Drive, DVD (4) DVD, CD, Hard Disk, Plotter 						
 2) Which of the following occurred during the evolution of computer technology from the first generation to the current? A-power consumption of computers are increased B-Number of transistors per square centimeter in the CPU decreased C-Size of computers are decreased 						
(1) A and Bonly (2) A and Conly (3) B and Conly (4) Conly						
 3) Which of the following technology was used in third generation computers? (1) Vacuums tubes (2) Micro chips (3) Integrated Circuits (4) Transistor 						
 4) Who was invented the Analytical engine? (1) Blaise Pascal (2) Charles Babbge (3) John Mauchly (4) Harward Aiken 						
 5) Which of the following is considered as data? (1) Average value of rainfall in the last year (2) Sort list value of rainfall for each month in the last year. (3) The value of today's rainfall (4) Maximum value of rainfall for each month in the last year. 						
 6) What is the code of shown un the following figure? (1) QR Code (2) Barcode 						
(3) ISBN (4) ATM						
7) The most general term used to describe the set of instructions of a computer is						
(1) Software (2) Hardware (3) Firmware (4) Liveware						
1						

(Which of the following device is used to connect computers with a LAN?(1) Network Interface Card(2) Router(3) Server(4) Firewall
9) V	(4) Filewall Which of the following is/are basic components of a LAN? A-Web Server B-Transmission Media C-Communication peripherals D-Two or more computers (1) B andConly (2) B, CandDonly (3) A, CandDonly (4) All A, B, C and D
10)	(3) A, Canabonity (4) An A, B, C and D Consider the following devices. A-Wireless Mouse B-Scanner C-Laser Printer D-Touch Screen Which of the above is/are used to enter data into computer? (1) A, Band Conly (2) B, CandDonly (3) A, BandDonly (4) AllA, B, Cand D
11)	 Which of the following components of a computer performs the operations on data? (1) Central Processing Unit (2) Main Memory Unit (3) Input Unit (4) Secondary Storage Unit
12)	A- PS/2B - SerialC - USBD - Parallel(1) A, B andConly(2) B, CandDonly(3) A, CandDonly(4) All A, B, C and D
13)	Which of the followingdevice is used to provide backup power in the case of a main power failure? (1) Multi Media Projector (2) Plotter (3)Uninterrupted Power Supply (4) Power Supply
14)	The decimal equivalent of 110011_2 is (1) 102 (2) 50 (3) 51 (4) 100
15)	Which of the following has least value? (1) 53_{10} (2) 110110_2 (3) 62_8 (4) $1B_{16}$
16)	The number of symbols used in the Unicode coding scheme is
17)	Which of the following is equivalent to 2 TB? (1) 2^{10} GB (2) 2^{20} MB (3) 2^{30} KB (4) 2^{21} MB
18)	In the ASCII code, character 'B' is represented as 1000010. What is the option that represents the word 'CAD' in binary format? (1) 1000011 1000100 1000100 (2) 1000011 1000001 1000100 (3) 1000011 1000100 1000001 (4) 1000011 1000001



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	Which of the following statement(s) A–Application software coverts data B- System software controls hardwar C - Utility software is used to manag (1) Aonly (2) A andBonly (3)	into infor e.	mation. yze the softwar		•	
28)		Backup	porarily for cu mentation	t/copy a	and paste operations.	
29)	Which of the following file displays (1) Teacher's list, 13.9KB		and its size of competency 6.9.doc uthors: PC Plus	X Dat	d processing software? te modified: 10/19/2020 1:40 PM e: 1.45 MB	
	(2) Competency 6.9, 1.45 MB	PDF e	xcelenglish.pdf		te modified: 12/13/2020 2:35 PM e: 819 KB	
	(3) excelenglish, 819KB(4) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	The second se	eacher's list.xlsx uthors: PC Plus	Dat	te modified: 2/8/2021 6:28 PM e: 13.9 KB	
20)		A	தர்ச்சி 9_10.pptx uthors: PC Plus	Size	te modified: 11/21/2020 11:41 AM e: 87.8 KB	
30)	(1) Ribbon (2) Scroll H		(3) Status Bai		(4) Title Bar	
31)	Which of the following shortcut key is used to select all items in a document?(1) Ctrl+B(2) Ctrl+A(3) Ctrl+D(4) Ctrl+K					
32)	 Circle, square, and triangle shapes squareshape is in the selected positi following action takes place? (1) All forms will be erased. (2) The square shape will be erased. (3) Another copy of the square shape (4) All three shapes will be grouped. 	n. When	you press the		-	
33)	Which of the following is/are in Pag	Orientat	ion?			
	A - LandscapeB–Portrait(1) A and Bonly (2) B andConly	(3) A :	C–Gutter and Conly	(4) A	llA, B and C	
	Which of the following includes HeaA-TextB-GraphicsD-DateE-Time(1)A, B and Conly(3)A, C, D and Eonly		ooter in word p e Number (2) A, B, D an (4) All A, B,	nd Eonl	ly	
35)	What is used to make adjacent cells(1) Merge Cells(2)Split Cells		in a word proce (3) Split Table	-	software table? (4) Divide Column	
36)	Which of the following is not a type (1) Left (2) Center	of page m	argin? (3) Right		(4) Bottom	



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- 1. An Indian citizen knowing the laws of the government of Srilanka.
- 2. Srilanka citizen updates his vehicle permit.
- 3. Request of application form for management assistant by the srilankan government.

b) There is a decision to conduct an online examination in your school. Students get user name and password. They can enter the system with using the above username and password and done it. They can got marks on the screen after pressing the submit button. Consider the above scenario and give each example for input, output and processing.

3. Mark1

c) Name the inventors of the following devices.

1. Adding Machine 2. Difference Engine

3) a) Name the following ports.

i)



b) State in which type of data transmission modes has included the following activities 1. Students have participated in Zoom class.

2. Kamal send information to her friend sumi through the email.

3. Can go to through a road only one direction

c) Write down type of data transmission medium has included the following activities form the list given below.

1. What is the cable used to CCTV

2. Television is connected with wireless speaker

3. A student starting the multimedia projector by using remote controller

(Twisted pair, Co-axial ,Fibre optics, Micro waves, Radio waves, Infra-red waves)

4) a) Following the diagram represent to capacity of the Hard disk of the Suresh's computer.



b) 1. Consider the following incomplete truth table of the Boolean expression (A AND NOT(B)) OR C with some missing inputs and outputs marked as "?". You are required to copy this table into your answer script and fill in the cells marked as "?" with suitable binary values.

Inputs			Output		
Α	В	С	(A AND NOT(B)) OR C		
1	1	1	?		
1	1	0	?		
?	0	1	1		
1	?	0	1		
0	1	?	1		
0	1	0	?		
?	0	1	1		
?	?	?	0		

- 2. Draw the logical gates in the above Boolean expression.
- 5) The following diagram demonstrates how computers in a school computer laboratory are connected to the internet.



- 1. Name A,B and C.
- 2. What is the name used to denote the type of he network shown in the circle area?
- 3. List two advantages of using a network such as the one in the circled area in the school computer lab?
- 4. What is the usage of the device B?
- 5. Which is the topology in the Desktop PC in the circled area?
- 6). a) Consider the following scenario:

A student has to prepare a report using presentation software type of \mathbf{P} . He made a folder on hard disk using \mathbf{R} service which is provided by the operating system of \mathbf{Q} . He made security for his data using \mathbf{S} service. He saved report on it. After completing the processing he scanned the USB drive using antivirus software \mathbf{T} for changing the data to USB drive. He prints the report using the printer managedby U.



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- 5. Label as B to underline
- 6. Check the spellings of the documents
- 7. Show or hide the non-printing symbols of the document
- 8. To link the corona details using by web site address by label D
- 9. Insert the page border of the document
- 10. Change the paragraph spacing of the documents.



ONLINE CLASSES - 2025 WEW ADMISSIONS ம் தவனை வகுப்புகள்

தரம் 6 முதல் O/L வரை

அனைத்து பாடங்களும் ஒரே கல்வி நிறுவனத்தின் கீழ் ...



இலங்கையின் எப்பாகத்திலிருந்தும் ZOOM APP மூலம் எமது வகுப்புகளில் இணைந்து கொள்ள முடியும்.





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