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Name: \_\_\_\_\_





مدارس قوس قرح العالمية المنهج / بريطاني ترخيص رقم . 4340140079 تحت اشراف وزارة التربية والتعليم الإدارة العامة للتربية والتعليم بمنطقة الرياض

## COMPUTER 9 MID YEAR REVISION SHEET A.Y. 2020-2021

A. Choose the correct answer.				
	It is used in computers as a temporary memory area in which data is stored while being processed or transferred			
a. Interrupt	b. Buffer	c. Processor		
2. Which of the following	is not an example	of an operating system?		
a. LINUX	b. DOS	c. HCI		
3. It is a signal sent from a	a device or from sc	oftware to the processor.		
a. Interrupt	b. Buffer	c. Processor		
4. It carries signals relatin	g to address betwe	een the processor and the memory.		
a. Address bus	b. Data bus	c. Control bus		
5. It sends data between output.	n the processor, the	memory unit and the input and the		
a. Address bus	b. Data bus	c. Control bus		
Which bus is regarded     the internal connectio	_	directional and bi-directional due to		
a. Address bus	b. Data bus	c. Control bus		
7. It contains the Arithme	etic and Logic Unit	which allows arithmetic and logic		
operations to be carrie	operations to be carried out.			
a. Control Unit	b. Processor	c. Memory Unit		

8. It controls the operation	on of the mem	nory, proce	ssor and input/output devices.
a. Control Unit	b. Processo	or c. <i>1</i>	Memory Unit
	s of the memo	ory location	of the next instruction which
has to be fetched.			
a. ALU	b. CIR	c.PC	
10. They essentially move	data around	the compu	iter and also send out control
signals to make sure e	verything is pr	operly sync	chronized.
a. Registers	b. Address	es	c. Buses
11.These types of scanne	er are the mos	t common	form and are generally used to
input hard-copy(pape	er) documents	s. The imag	e is converted into an electronic
form which can be sto	ored in a com	puter.	
a. 2D Scanners	b. 30	) Scanners	c. Barcodes
12 It consists of a numbe	r of integrated	d circuits on	a silicon structure. And it is
made up of thousanc			
a. Charge Couple			no (pintolo).
b. Computerized 1			
c. Magnetic Reso		g	
G	o o		
13. It uses radio wave free	quencies to sp	olit up a solid	d object into thin slices.
a. CCD	b. MRI	c. CT	
14. Which is a benefit of a	a supermarket	manager (	using a barcode?
a. Faster checkou	t / shorter que	ues at che	ckout
b. Better track of '	•		
c. Easier and faste	er meinod of c	nanging iie	em prices
15.1t uses inkjet technolog	gy where print	head mov	es left to right and up and down
to produce layers of t	he solid objec	t	
a. Direct 3D printir	ng b. Additive	e c. Binder	3D printing
16.Object in the printer is	built up layer	by layer	
a. Direct 3D printir	ng b. Additive	c. Binder	3D printing

17.1t is a series of dark and 9 are each represented	_	f varying thickness. The numbers 0 to of lines.
a. 2D Scanners	b. 3D Scanr	
18.It is a type of barcode light background.	that is made up of c	ı matrix of filled-in dark squares on c
a. POS	b. QR codes	c. SPECT
19.1t is a type of touchscre	en that is made up	of many layers of glass that act like
a capacitor, creating e	electric fields betwe	en the glass plates.
a. Capacitive	b. Infra-red	c. Resistive
20. Which of the following		ed touchscreens?
a. This is a medium	cost technology	
b. The optical system	m allows the use of I	pare fingers, gloved fingers or a
stylus for input		
c. Screen visibility is	good even in strong	g sunlight
21.It is a type of touchscre	en that makes use o	of an upper layer polyester and a
bottom layer of glass.		
a. Capacitive	b. Infra-red	c. Resistive
22. These are devices which	ch reads or measure	physical properties such as
temperature, pressure,	acidity and so on.	
a. Touchscreens	b. Sensors	c. Pointing devices
23. These printers are best	for one-off photos o	r where only a few pages of good
quality, colour printing	are needed.	
a. Inkjet Printers	b. Laser Prin	ters c. 3D Printers
24. These printers produce	high quality printou	ts and are very fast when making
multiple copies of a do	cument.	
a. Inkjet Printers	b. Laser Prin	ters c. 3D Printers
25. They are used to project	ct computer output	onto large screens or even onto
interactive whiteboard	S.	

a. Scanners b. Barcodes

c. Projectors

В.	Write $\underline{\mathbf{I}}$ if the statement is correct and $\underline{\mathbf{F}}$ if the statement is incorrect.
1.	OLEDs is very flexible, it can bend in an arc or even fold it up into small
	package
2.	LEDs produce brighter light than OLEDs that improves colour definition.
3.	The pressure sensor detects noise such as breaking glass from the window o
٥.	footsteps
4.	Inkjet printers runs out of ink quickly and it is not suitable for large print out.
5.	One advantages of using QR codes is that there is no need to enter
	manually web addresses /URLs; scanning the QR codes does this
	automatically
С	. Identify the most suitable input device for each of the following applications.
1.	Converting a hard copy document into an electronic form to be stored in a computer
2.	Entering text and data into a word processor or spreadsheet
3.	Selecting an option or icon from an onscreen menu
4.	System that allows a user to write and draw on a screen which then
	automatically saves the text and images in a memory
5.	Input a user's voice into a computer as part of a voice recognition system
	A. Mouse / Touchscreen
	B. 2D Scanner
	C. Microphone
	D. Keyboard
	E. Interactive whiteboard

	D.	Identify the	e suital	ble sensor for each of the following application.
			A.	Temperature sensor
			В.	Light sensor
			C.	Magnetic field sensor
			D.	Infrared sensor
	1.	Automatic	cally tu	rn on/off a vehicle's windscreen wipers
	2.	Central he	eating s	system
	3.	Anti-lock I	oraking	g system on cars
	4.	Switching	vehicle	e headlights on/off automatically
	5.	Burglar ald	arm/int	ruder detection system
E.	Tic	k if the stat	ement	is about OLEDs are correct, if not put a cross.
	1.			astic organic layers, OLEDs are much thicker and heavier than
	0			LCD/ LED formats
	2.			ighter light than LEDs leading to more vivid colours
	3.			ce a much larger field of view than LCD/LED formats
	4.	OLEDS I	require	some form of back-lighting so that the screen can be lit up
	5.	OLEDs (		ne more power than LCD/LED formats and thus produce more

F. Answer the following:		
<ol> <li>A music CD is produced where each piece of music is sampled 44 100 times a second. Rach sample is 32 – bits and the music is stored in stereo (two separate tracks) format.</li> <li>Calculate:         <ul> <li>a. How many bytes per second are sampled?</li> </ul> </li> </ol>		
b. How many KB/ second are sampled?		
2. Calculate how much memory is needed to store a 4-minute music track using your answer in 1b.  Output  Description:		
3. Calculate how many 4-minute music tracks could be stored on a CD with an 800 MB storage capacity.		

## **ANSWER KEY**

C. Α. F. 1. B 1. B 1. 2. C 2. D 3. A 3. A a.  $44\ 100\ x\ 2\ x\ 32 = 2\ 822\ 400\ bits/sec$ = 352 800 bytes per second 4. A 4. E 5. B 5. C 6. C b.  $352\,800 \div 1024 = 344\,KB/sec$ 7. B 8. A D. 9. C 2.  $344 \times 60 \times 4 = 82560 \text{ KB}$ 10. C 1. D  $= 52560 \div 1024 = 80 MB$ 11. A 2. A 12. A 3. C 13. B 4. B 3.  $800 \div 80 = 10$  music tracks 5. D 14. C 15. A 16. B 17. C E. 18. B 19. A 1. X 20. B 2. ✓ 3. ✓ 21. C 4. X 22. B 5. X 23. A 24. B 25. C В. 1. T 2. F 3. F 4. T 5. T