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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 7 MID YEAR REVISION SHEET A.Y. 2020-2021

A. Choose the correct ar	nswer.	
It is used in computers while being processed		emory area in which data is stored
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 outer architecture?
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	ed out.	
a. Control Unit	b. Processor	c. Memory Unit

8. It controls the operation	on of the memo	ory, processor and input/output devices.	
a. Control Unit	b. Processor	c. Memory Unit	
	s of the memory	y location of the next instruction which	
has to be fetched.			
a. ALU	b. CIR	c. PC	
10. They essentially move	data around th	ne computer and also send out control	
signals to make sure e	verything is prop	perly synchronized.	
a. Registers	b. Addresses	c. Buses	
11.These types of scanne	er are the most o	common form and are generally used to	
input hard-copy(pape	er) documents.	The image is converted into an electronic	
form which can be sto	ored in a compu	uter.	
a. 2D Scanners	b. 3D S	Scanners c. Barcodes	
10 11 11 1	· · · · · · · · · · · · · · · · · · ·		
	· ·	circuits on a silicon structure. And it is	
	made up of thousands of light-sensitive elements (pixels).		
-	a. Charge Couple Device		
b. Computerized			
c. Magnetic Reso	idrice imaging		
13.It uses radio wave free	quencies to split	up a solid object into thin slices.	
a. CCD	b. MRI	c. CT	
14 Which is a benefit of a	a supermarket m	nanager using a barcode?	
14. Which is a benefit of a supermarket manager using a barcode?a. Faster checkout / shorter queues at checkout			
b. Better track of 'sell by dates' so food should be fresher			
c. Easier and faste	er method of ch	anging item prices	
15.It uses inkjet technolog	gy where print h	nead moves left to right and up and down	
to produce layers of the solid object			
a. Direct 3D printir	g b. Additive	c. Binder 3D printing	
16.Object in the printer is	built up layer b	y layer	
a. Direct 3D printir	na b. Additive	c. Binder 3D printing	

17. It is a series of dark and light parallel lines of varying thickness. The numbers 0 to 9 are each represented by a unique series of lines.			
a. 2D Scanners	b. 3D Scanr	ners c. Barcodes	
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	
a capacitor, creating e	electric fields betwe	of many layers of glass that act like en the glass plates.	
a. Capacitive	b. Infra-red	c. Resistive	
 20. Which of the following is a benefit of infra-red touchscreens? a. This is a medium cost technology b. The optical system allows the use of bare fingers, gloved fingers or a stylus for input c. Screen visibility is good even in strong sunlight 			
bottom layer of glass.		of an upper layer polyester and a	
a. Capacitive	b. Infra-red	c. Resistive	
22. These are devices which 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 to quality, colour printing a. Inkjet Printers	are needed.	r where only a few pages of good ters c. 3D Printers	
24. These printers produce multiple copies of a do	_	ts and are very fast when making	
a. Inkjet Printers	b. Laser Prin	ters c. 3D Printers	
25. They are used to project interactive whiteboard		onto large screens or even onto	

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 of
	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
	Identify the most suitable input device for each of the following applications. Converting a hard copy document into an electronic form to be stored in a
	computer
	Entering text and data into a word processor or spreadsheet
	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	ole sensor for each of the following application.
			A.	Temperature sensor
			В.	Light sensor
			C.	Magnetic field sensor
			D.	Infrared sensor
	1.	Automatic	ally tui	n on/off a vehicle's windscreen wipers
	2.	2. Central heating system		
	3.	3. Anti-lock braking system on cars		
	4. Switching vehicle headlights on/off automatically			
	5.	Burglar alc	arm/int	ruder detection system
E.	Tic	k if the state	ement	is about OLEDs are correct, if not put a cross.
	1.	Becaus	e of pl	astic organic layers, OLEDs are much thicker and heavier than
		conver	ntional	LCD/ LED formats
	2.	OLEDs (give br	ighter light than LEDs leading to more vivid colours
	3.	OLEDs	oroduc	ce a much larger field of view than LCD/LED formats
	4.	OLEDs r	require	some form of back-lighting so that the screen can be lit up
	F			
	5.			ne more power than LCD/LED formats and thus produce more
		heat		

F. Answer the following:		
 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. Calculate: a. How many bytes per second are sampled? 		
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. 1. Calculate how much memory is needed to store a 4-minute music track using your answer in 1b.		
3. Calculate how many 4-minute music tracks could be stored on a CD with an 800 MB storage capacity.		

ANSWER KEY

Α.	C.	F.	
1. B 2. C 3. A 4. A 5. B 6. C 7. B 8. A 9. C 10. A 12. A 13. B 14. C 15. A 16. B 17. C 18. B 19. A 20. B 21. C 22. B 23. A 24. B 25. C	1. B 2. D 3. A 4. E 5. C D. 1. D 2. A 3. C 4. B 5. D E. 1. X 2. ✓ 3. ✓ 4. X 5. X	1. a. 44 100 x 2 x 32 = 2 822 400 bits/ sec = 352 800 bytes per second b. 352 800 ÷ 1024 = 344 KB/ sec 2. 344 x 60 x 4 = 82 560 KB = 52 560 ÷ 1024 = 80 MB 3. 800 ÷ 80 = 10 music tracks	
B. 1. T 2. F 3. F 4. T 5. T			