A 3	3D printer	An ADC	A compiler	An inte	erpreter	A microphor	16
Ar	monitor	A numeric keypad	A speaker	A swite	ch	A USB	
(a)		is a	device used to i	nput a PIN.			
(b)		ana	alyses and execu	tes a progr	am line by	/ line.	
(c)	*************	pro	duces output in t	he form of	solid obje	cts.	
(d)	30.000.000.000	pro	duces output in t	he form of	sound.		
Tick	k whether th	e following are example	es of Magnetic ta	pe, Blu-ra	y or DVD	RAM.	
			. 800	Magnetic tape	Blu-ray (✓)	DVD RAM (✓)	
	Does not re	quire a laser to read the	data.				
	Uses serial	access only.					
-		access only. re and play HD movies.					
	Used to sto						
A m The	Used to sto Can store a nedia compa branch inci network to a The type o	re and play HD movies. and read data at the same any with branches around ludes a number of differ answer each of the quest of network used to connect	ne time. Ind the world has ent computer netions. The branch to	tworks. Iden	ntify the m	ost appropria	d
A m The of n	Used to sto Can store a nedia compa branch inci network to a The type o	re and play HD movies. Ind read data at the same any with branches around ludes a number of differ inswer each of the quest of network used to connect	ne time. Ind the world has ent computer netions. The ect the branch to	its head off	ntify the m	ost appropria	d d
A m The of n (a)	Used to sto Can store a nedia compa branch inchetwork to a The type o	re and play HD movies. Ind read data at the same any with branches around ludes a number of differ inswer each of the quest of network used to connect	ne time. Ind the world has ent computer netions. The branch to connect computer the branch the b	its head off	ntify the m	ost appropria	d
A m The of n (a)	Used to sto Can store a nedia compa branch inchetwork to a The type o	re and play HD movies. Ind read data at the same any with branches around ludes a number of differnswer each of the quest of network used to connect the connect of the play of the play of the connect of the play of the pl	ne time. Ind the world has ent computer netions. Indicate the branch to the connect computer of the branch to the branch to the connect computer the are used for in	its head off	ntify the m	ost appropria	d d

	in which water occasionally but the sensor is used to monitor to a microprocessor.		
(a) Explain why the data	a from the sensor has to be c	hanged before it is rea	d by the microproces
	ntages of using sensors and an using manual methods.	microprocessors to r	monitor the temperat
1			
2			
3			
4			
5			
Tick whather the following	ng refer to moderated or u n	moderated for use	
rick whether the following	ng refer to moderated or un	moderated	un-moderated
-		moderated (✓)	un-moderated (✓)
All posts are held in a c	queue.		
Posts are not policed.			
This forum reduces the	chance of offensive messag	jes.	
This forum stops seven	ral postings of the same topic	5.	

END OF PAPER

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/12

February/March 2019

Paper 1 Theory

1 For each of the different statements, tick the most appropriate network.

	WAN (✓)	WLAN (<)	LAN (✓)
A cabled network used in one building.			
The internet is an example of this type of network.			
Several networks connected together using a router.		8	
This network is connected without cables.			

[4]

2 Tick whether the following are examples of System Software or Applications Software.

	System Software (/)	Applications Software (/)
Compiler		
Word processing software		
Spreadsheet software		
Operating system		2

3	Command Line Interface (CLI) and Graphical User Interface (GUI) are examples of interfaces found in computer systems.
	Give two advantages of a computer having a GUI rather than a CLI.
	1
	2
	[2]

4	A router is used in net	tworks.			
	Describe how a route	r routes data packets.			
				[3]	
5	An office worker is ab	out to open an attachment b	ut is worried it might cor	ntain a computer virus.	
	Explain what is mean	t by a computer virus.			
				[2]	
6	Circle three items wh	ich are used as output devic	es.		
	Buzzer	CD/RW drive	Keyboard	LCD monitor	
	Speaker	Solid state drive	Trackerball	Web cam	
				[3]	
		END C	F PAPER		

	(a)	A printer the	t prints by press	ing metal nine agai	nst an ink ribbon onto	the naner
	(4)	A pinner tria	c prints by press	mig metai pina ayai	TOTAL TITLE TIDOUT OTHO	по рарег
				***************************************		***************************************
	(b)	A printer tha	t sprays tiny dro	plets of ink directly	onto the paper	
	(c)	A printer tha	t uses toner to t	ransfer the print ima	age to plain paper	

	(d)			reate solid objects		
	,	102-26				
2	Cor	nplete each s	entence below	using the most appr	opriate item from the I	ist.
		a bridge	a hub	a keyboard	a microphone	a mouse
		a printer	a router	a scanner	a sensor	a switch
	(a)	A network de	evice which broa	adcasts data passin	g through it is called	
		300000000000000000000000000000000000000			**************************	
	(h)	A network de		ects a LAN with the		
	(5)					
	No. Con					
	(c)	A network de	evice that conne	ects a LAN to anothe	er LAN using the same	e protocol is called
	1-11	A notwork de	ovice that learns	which devices are	connected to which po	orte is called

			true (✓)	false (✓)
Answers to multiple choice examination papers of Optical Mark Reader.	can be read	l using an		
MICR reads the information on a credit card.				
The chip on a credit card is read by a PIN reader	n			
An RFID chip can be used to track stock.				
ick whether the following activities are part of valuation of a system.	Design	ign or the	107	Evaluation (</th
Comparing the outcomes with the original task requirements				
Changing over to the new system				
Identifying any limitations and necessary				
improvements to the system				
improvements to the system Selecting validation routines aptop computers are often equipped with Solid S a) Give four advantages of SSD compared to H	IDD.			
improvements to the system Selecting validation routines aptop computers are often equipped with Solid S	IDD.			
improvements to the system Selecting validation routines aptop computers are often equipped with Solid S a) Give four advantages of SSD compared to H 1	IDD.			
improvements to the system Selecting validation routines aptop computers are often equipped with Solid S a) Give four advantages of SSD compared to H	IDD.			
improvements to the system Selecting validation routines aptop computers are often equipped with Solid S a) Give four advantages of SSD compared to H 1	IDD.			

[4]

	(b)	People now tend to buy laptops rather than desktop computers. Despite this, desktop computers are still fairly popular.
		Describe three advantages of using a desktop computer rather than a laptop computer.
		1
		2
		3
		[3]
6	Des	cribe the differences between the internet and an intranet.
		[4]
		END OF PAPER