- 45. Which of the following is true about Functional programming?
 - It is used to calculate using mathematical functions
 - It focuses on what has to be done rather than on how it is done
 - It is used in programming functions
 - D Its codes are made up of mostly functions
- 46. The structured approach of writing programs using routines is beneficial in that
 - it makes programs to be easily
 - understood by non-programmers routines can be tested in isolation before being added to larger programs
 - it generates output after each statement for easy understanding
 - programs can run even when there are errors
- 47. Which of the following may not be helpful to a project manager in the execution of a project?
 - PERT chart
 - B Scheduling software
 - C Data flow diagrams
 - Gantt chart

- Some tasks can be extended for a number of days without affecting the finished day of a project. Such a task is known as
 - slack task
 - В floating task
 - C critical task
 - D extended task
- 49. In html, the tags are used to create
 - ordered list
 - В bulleted list
 - C lines of text
 - indentation
- To avoid unnecessary duplication of the same data in a database
 - we have to normalize the database
 - we have to query the report generator
 - C avoid using tables with so many fields
 - proof read any data before input into the database

STOP NOW GO BACK AND CHECK YOUR WORK

2x/796/1/A/MCQ

				, to itse
	(')	()		
1.	(i)	(a)	Explain two reasons why robots are useful to industries.	(2 marks)
		(b)	Describe two measures that can be taken to secure a banking system	(4 marks)
	(ii)	(a)	Describe a DBMS.	(2 marks)
	` '	(b)	What is relational database?	
		(c)	Give two disadvantages of a flat file in databases.	(2 marks)
		(0)	Give two disadvantages of a flat file in databases.	(2 marks)
	(iii)	(a)	Explain the term "Programming paradigm".	(1 mark)
		(b)	Define the following programming paradigms	
		` '	Procedural programming	
				(4
		7.15	Declarative programming	(4 marks)
2.	(i)	(a)	What is network topology?	(2 marks)
~.	(.)	(b)	Explain two considerations in selecting a topology for a school network.	(4 marks)
		(0)	A Compositor visited	(4 marks)
	(ii)	(a)	What is prototyping?	(2 marks)
		(b)	Give two reasons for prototyping.	(2 marks)
	(iii)	(a)	What is a program control structure?	(2 marks)
		1000	Using either Pascal or C programming language write out the general form for the fol structures.	
			• Sequence	(1 mark)
			FOR statement and	(1 mark)
			WHILE statement	(1 mark)
		(c)	Draw the flowchart symbol for the choice/selection structure.	(2 marks)
,				
3	. (i)		Write out the steps involved in SDLC in an annotated diagram.	(2 marks)
			Distinguish between piecemeal and direct system implementation methods.	(2 marks)
		(c)	Describe one other alternative method of building a system.	(2 marks)
	(ii)	(a)	State two functions of a project manager in project management.	(2 marks)
		(b)	With respect to project management, describe a PERT chat, stating all the elements in	nvolved.
				(2 marks)
		(c)	What is the importance of identifying the critical path of a project?	(1 mark)
	(iii)	Dis	scuss TWO possible effects on people who live in some developing countries	
		of	having no access or very limited access to ICT.	(6 marks)
-			The first of the state of the s	
4	. (i)	(a)	What is a file format? Give one type of file format.	(2 marks)
	()	(b)	Explain one importance of file format.	(1 mark)
		(c)	State two reasons why file formats vary.	(2 marks)
	(ii)	(a)	Systems need protection from hazards e.g. natural hazards such as flood and fire.	
			Describe two other hazards that may impede a computer system.	(4 marks)

١.	The computer that allows more than one user to work at the same time is known as a	9.	The check by computers to ensure that data entered into a database is sensible is known as:	
	A mainframe computer		A integrity check	
	B embedded computer		B verification	
	C micro computer		C validation	
	D mutiprogrammed computer		D redundancy check	
2.	is the technological basis on	10.	Which of the following application packages	
۷.	which the Third Generation computers		would be the most appropriate for representing	
	were built.		information on charts and performing	
	A Transistor		calculations?	
			A Presentation packages	
			B Database packages	
	C microprocessor		C Word processing packages	
	D integrated circuit		D Spreadsheet packages	
3.	A computer that exists in a system that cannot be reprogrammed by the user is	11.	Which of the following is an advantage of a	
			Vector-based graphics format?	
			A It allows graphs to be placed in a vector	
	B embedded system C handheld computer system		form	
	D system access control		B It is device independent C It allows vectors to be used to draw	
4.1	The De Morgan law for the logic AND states		graphs D It tolerates straight line graphs	
	that $\overline{A}.\overline{B} =$		D It tolerates straight line graphs	
	A $\overline{A+B}$	10	The act of gaining unauthorized access by	
	B $A + \overline{B}$	12.	use of network to people's computer is	
	$C \bar{A} + B$		known as	
	D $\bar{A} + \bar{B}$		A hacking	
	are a smill of the same of		B surfing	
5.	Which of the following is NOT a function		C scamming	
٥.	of an operating system?		D spoofing	
	A Providing user interface			
	B Memory management	13.	Software designed to meet the needs of a	
	C Executing program instructions		particular organisation is called	
	D System access control		A generic	
6.	A chip in computer that contains essential		B surfing	
0.	information in a computer such as the date		C integrated D Bespoke	
	and time is		D Bespoke	
	A CMOS	1.4	One way to limit piracy of intellectual prope	
	B BIOS	14.	is by	
	C RAM		A Use of antivirus software	
	D ROM		B using encryption	
			C enforcing legislation	
7	What file format would you use for publishing		D use of firewall	
1.	and distributing electronic text documents?			
	A .mpeg	15.	An information system that provide periodi	
	B jpeg		and predetermined reports that summarizes	
	C .pdf		information only is called	
	D .wav		A MIS B GIS	
8.	A document created in an application package		B GIS C HIS	
8.	which could be used over and over by many		D DDS	
	users for the same purposes is known as:			
	A Wizard			
	B Template		and the state of successful with senting the	
	C Draft			
	D Form			

					A	
	A	Software and hardware		24.		odule in a system is said to be reusable if
	В	People, software and hardware				nodule is
	C	People, data, machine and procedures			A	independent of the system
	D	People, data, software and procedures			В	depends only on a few modules in the system
	Ane	xpert system that is used in organisation to			C	iteratively defined
		age daily business activities can also be			D	recursive
	termed as a					
	A	GIS		25.	A da	ta communication method in which bits
	В	DSS				ransmitted through separate channels
	C	MIS				Iltaneously is termed
	D	TPS			A	parallel data transmission
		Sognicing conductor &			В	serial data transmission
8.	Δ lir	near list whose elements are inserted and			С	simplex data transmission
0.		ted in a last-in-first-out order is a			D	assynchronous transmission
					D	assymption on our manners and a survey of
	A	Stack		26.	Day	ices in a network indicate their
	В	Queue		۷٥.		nectivity during data transmission by
	C	hash table				
	D	binary tree			A	buffering handshaking
^	1771 .	1 Cal Calledia in the desired Calledia			B	signaling
9.		ch of the following is in the right order of			D	interrupts
		measurement?			D	mertupis
	A B	Picoseconds-nanoseconds-microseconds Nanoseconds-picoseconds-microseconds		27.	Whi	ich is a data transmission method by which
	C	Microseconds-nanoseconds-picoseconds		21.	sign	als from several lines are made to be
	D	Microseconds-nanoseconds-picoseconds			tran	smitted through a single line?
	D	Whereseeonas-naneseeonas-preeseeonas		4	A	Serial transmission
0.	Whi	ich of the following is NOT true about		1	В	Broadband transmission
.0.	arra				C	Switching
					D	Multiplexing
	A	Access elements by an index			D	Multiplexing
	В	Sort the elements		28.	The	main role of a repeater in a network is
	C	Can hold element of the same type		20.		main fole of a repeater in a network is
	D	Can hold elements of different types			A	separates a single stream of signals into
					n	separate streams
21.		v many KB (as used in everyday speaking)			В	selects the best path for network packets
		in 1.5 GB?			C	boosts the strength of signals to cover
	A	1500			D	long distances
	В	15000			D	receive sends signals only to requesting
	C	150000				computers in a network
	D	1500000		29.	-	controls the flow of each character in
22.	Tho	technique of developing a system model		47.	000	nchronous transmission mode.
4.		testing to make adjustments until an			asyl	nemonous transmission mode.
		eptable product is realized is known as			A	Error control bits
					В	Start-stop bits
		try-by-error				
1 1		flow charting			C	Parity bits
	C	waterfall model			D	Check-sum bits
	D	Prototyping				
	College & vilno no ismendini.			30.		cheapest means by which a group of
23.	Some programming languages are said to be				stuc	dents found in different geographic
		level because				ations can exchange views through the
	A					ernet is by
	-	computer can easily execute			A	e-mail
	, B	programmers easily write codes using			В	Forum
	~	them			C	videoconference
	C	they are cheaper to design			D	Skype
	D					
		difficult tasks				

31.	The topology with the greatest fault tolerance	38.	The phas	se in a system development life cyc
	is			equirements are first identified is
	A Mesh			sibility studies phase
	B LAN			alysis phase
	C Ring		C im	plementation phase
	D bus		D des	sign phase
32.	A device that connects computers and forwards	39.	A practi	ce that enhances understanding of
	data packets from one network segment to the		algorith	
				e of capital letters
	other of different platforms is a			e of good language
	A Hub			e of programming words
	B Bridge C Switch			e of comments
	D Router	40.	Algorith	nms are different from codes in that
33.	The bandwidth of Internet connection in a	*	A the	ey can be easily executed by the
33.			co	mputer
	public cyber café suddenly becomes congested.		B the	ey are easily understood by non-
	One possible reason is			ogrammers
	A poor weather			ey are shorter than codes
				ey have a style of presentation
			D till	cy have a style of presentation
	C virus activity	4.5	YY 71 . 1	Cal. C. II
	D poor network design	41.		of the following control structures is
				loop structure?
34.	If a laptop is to have Internet connection		A IF	-THEN statement
J	through a LAN with Internet facilities then,		B R	EPEAT statement
	through a DAIV with internet months many		C W	HILE statement
	A the laptop needs an IP address			OR statement
	B the user must be given a password		2	
	C the service provider must be contacted	42.		Start
	D the modem must be used to connect the	42.		Get an integer, x
	laptop to the LAN.			Get another integer, y
35.	The protocol used to receive electronic mail			If x < y then
	over the Internet is			Take y to be y-2
				Else
	A TCP/IP			Take x to be y*2
	B SMTP			EndIf
	C FTP.			Print x, y
	D VOIP			
	D TON		* 0	Stop
2.6	Till 1 ' and and the over the			3 and y=7 then the output is
36.	The buying and selling of stocks over the		A 1	4, 5
	Internet is called		B 1	4, 1
	A e-commerce		C 3	, 5
	B e-shopping			, 7
	C e-banking			Service and the service of the servi
	D e-trading	43.	An exa	ample of an Object Oriented
			program	mming language is
37.	Which is the correct order of the stages of the			Turbo Pascal
51.	SDLC?		- COMMANDE	
				C#
				ava
	maintenance		DF	Fortran
	B Design, analysis, support, implementation			
	C Analysis, design, implementation,	44.	In pros	gramming, what specifies the order
	support	111.	which	a computer will execute each line of
	D Coding, support, evaluation, maintenance			
	D County, support, evaluation, manner		2010110	re code?
				Switch statement
			В (Control structure
			C (Conditional statement
				THE THE PARTY OF T
			D '	Syntax structure
			D S	Syntax structure