

HARTRON V.V. IMP. QUESTIONS

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Sr.N.	Question Java	1	2	3	4	Ans
1	JAVA does not support	pointers	global variables	multiple inheritance	all of the above	4
2	An expression	usually evaluates to a numerical	may be a part of a statement	always occurs outside of a function	both a&b	4
3	in JAVA, a function contained with in a class is called	a member function	an operator	a class function	a method	1
4	main() returns a value of type	real	char	int	null	4
5	The dot operator connects the following 2 entities(reading from left to right)	a class member & class object	a class object & a class	a class & a member of that class	a class object & a member of that class	4
6	classes are useful because they	permit data to be hidden from other classes	bring together all aspects of an entity in one plan	can closely model objects in the real word	all of the above	4
7	which of the following expressions result in a positive value in x	int x=-1;x>>>5;	int x=-1;x=x>>>32	byte x=-1;x=x>>>5;	int x=-1;x>>5;	4
8	what tags are mandatory when creating HTML to display an applet	name, height, width	code, name	codebase, height, width	code, height, width	4
9	Java development kit include	appletviewer	java	javap	all of the above	4
10	Java standard library includes hundreds of classes and methods grouped into functional packages	6	7	9	10	1
11	class members are _____ by default	private	protected	public	none of the above	1
12	Java uses _____ to destroy a objects created by constructor	destructor()	destroyer()	finalize()	none of the above	3
13	Java contains the data types	struct	union	enum	none of the above	4
14	Java adds new operator such as instance of and	>>	<<	>>>	<<<	3
15	Java have a preprocessor	limited	one	two	does not have any	4
16	Java communicates with web page through special tag called	<applet>	<home>	<HTML>	<head>	1
17	Java includes _____ type of tokens	2	7	8	5	4
18	Java specifies _____ major type of literals	4	5	7	6	2
19	new operator is used	to dynamically allocate storage	to statically allocate storage	to allocate storage for new variable	none of the above is correct	3
20	which of the following can legitimately be passed to a function	a constant	a variable	a structure	a header file	2
21	method overloading	are a group of function with same name	all have the same number and type of arguments	make life simpler for programmer	may fail unexpectedly due to stress	1
22	in a class specifier data or function designated private are accessible	to any function in the program	only if you know the password	to member functions of that class	only to public members of the class	3
23	In stack data item placed on the stack first is	not given an index number	given the index number 0	the first data item to be removed	the last data item to be removed	4
24	A floating point constant comprise	a whole number	a decimal point	a fractional part	all of the above	4
25	variable name should not be start with	digit	uppercase letter	lowercase letter	all of the above	1
26	When Java does the type conversion it is said to be	automatic type conversion	artificial type conversion	virtual type conversion	all of the above	1

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27	what will be the value if n=1 of x and y after the following is a segment of a program: x=1;y=1;if(n>0) x=x+1;y=Y-1;	2,0	1,-1	2,1	none of the above	4
28	In Java this keyword can be used anywhere	in the object	in dot notation	as an argument to a method	all of the above	4
29	method definitions have basic parts	the name of method	the type of object or primitive type returned by	the body of the method	all of the above	4
30	in Java main() method takes how many no. of parameters	1	2	3	4	1
31	constructor method have	the same name as the class	not any return type	both option 1&2	none of the above	3
32	what is the output of the following program segment for(i=1,j=0;i<10;i++) j+=i;system.out.println("i="+i);	10	20	55	there is error in program	3
33	the ? Can be used to replace	returns the value	if then else	wild characters	no meaning	2
34	which one is false incase of vectors in Java	can hold objects of any type	objects of any number	objects have to be homogenous	all of the above	3
35	by using protected one can create class members that are private to their class but	that can't be inherited and accessed by a derived class	that can still be inherited and accessed by a derived class	that can be public	none of the above	2
36	the members of a class can be made private	declaring them private	by default they are private	by declaring them in the beginning of the program immediately after main()	they are always public	2
37	which of the following are valid methods in java	list.size()	list.add(element(item)	list.copyInto (array)	all of the above	4
38	vectors can handle primitive data types	int,char	float	long,double	none of the above	4
39	Packages are java's way of	grouping a variety of classes and interfaces together	grouping a variety of classes or interfaces together	both of the above	none of the above	3
40	there are ____ways of accessing the classes stored in a package	only one	two	three	four	2
41	in java if you want to import all the classes in a package you will use	import java.awr.*	import java.awt.all	import java.awt.every	none of the above	1
42	In java which is valid	like classes, interfaces are declared in source files	like classes,interfaces are also compiled into .class files using the java compiler	both 1& 2	none of the above	3
43	an end of line is indicated by the following	a newline character('\n')	a carriage return character('\r')	a carriage return followed by a newline	all of the above are correct	4
44	there are following phases in lifecycle of threads in java	three	four	five	two	3
45	a class hierarchy	shows the same relationships as an organisation chart	describes "has a" relationships	describes "is a kind of" relationships	shows the same relationships as a family tree	3
46	an array element is accessed using	a first in first out approach	the dot operator	a member name	an index number	4
47	public,private,protected are	access keywords	structure keywords	exception keyword	not the keywords	1
48	exception keywords	throw	try	catch	all of the above	4
49	which one is bitwise operator	&&		&	<<>	3
50	which one is comment indicator	?	\\	//		3
51	Which statement is true	java uses stdio.h header file	java uses string.h header files	java uses iostream.h header file	no header files are used in java	4

52	a static automatic variable is used to	make a variable visible to several function	make a variable visible to several function	conserve memory when a function is not executing	retain a value a function is not executing.	3
53	In java the class cannot be subclassed is called	final class	finale class	ultimate class	no subclass	1
54	two dimensional can be defined as	array[4,6]	array[1..4,1..6]	array[4][6]	array(4,6)	3
55	mathematical functions are supported by java in	math class	arithmatic class	string class	maths class	1
56	loop operation are performed by	if-then-else	for statement	while statement	both 2 &3	4
57	in java to get the control out of loop we use	break	continue	both 1 &2	goto	3
58	java is said to be platform independent because	it can be executed on dos	it can be executed on unix	it can be executed on windows	all of the above	4
59	dynamic memory can be allocated by the following declaration	new	volatile	static	memory	1
60	a method that is called automatically when an object is created is known as	instantiation	function prototyping	constructor	structure	3
61	a method that automatically when an object is destroyed	function prototyping	constructor	destructor	finalize	4
62	special symbol used by java to document java packages and methods	doctags	documenttags	packagetags	docpacktags	1
63	which command is used to generate API-style HTML documentation automatically	doctag	javadoc	javah	javap	2
64	a command that disassembles java.class files	javac	javav	javap	javad	3
65	the java debugger is	javaerror	javad	jab	jdb	4
66	JDK stands for	java debug kit	java developer kit	java database kit	java documentation kit	2
67	In java short is data type of length	8 bits	16 bits	32 bits	4 bits	2
68	API stands for	automatic programming interface	application programming interface	application programming imbedded	applicati on pragra m interacti on	2
69	class error{ public static void main(string args[]){ system.out.println("hello java!")}	the output is hello java!	the output is error	the output is in two lines	the output is hello java java	1
70	which java class supports many methods that enable us to draw many types of shapes	drawing	graphs	graphics	drawpolygon	3
71	which operator is used to bitwise complement	-	+	--	<<	1
72	in java right shift operator is	>>	<<	<>	>>+	1
73	In java strings can be concatenated by using	+	*	++		1
74	Java supports	multithreading	automatic garbage collection	multidimentional array	Both 1 & 2	4
75	Java compose class libraries for applet and networking programming	java.awt	java.applet	java.net	all of the above	4
76	a command for running the java compiler	javarun	javado	javaexecute	javac	4
77	a base class is inherited by	derived class	inline function	constructor	none of the above	1
78	Question CmpFund	1	2	3	4	ans
79	Who observed, "future wars will start in the circuits of computers rather than in the minds of men" ?	Joseph Weizenbaum	General Alexander Haig	Arthur C. Clarke	Duncan Camphell	3
80	What hardware was used by first generation computers /	Transistors	Ics	Valves	SSI	3

81	What is the term which represents the use of links between information of all sorts whether text, graphics, video or audio- based ?	Hypertext	Hypermedia	HyperCard	WildCard	2
82	Which of the following require large computer memory	Imaging	Graphics	Voice	All of the above	4
83	A term associated with the comparison of processing speeds of different computer systems is:	EFTS	MPG	MIPS	CPS	3
84	The retrieval of information from the computer is defined as	Collection of data	Data retrieval operations	Output	Data output collection	3
85	A collection of eight bits is called :	byte	word	record	file	1
86	Which of the following is a part of the Central Processing Unit	Keyboard	Printer	Tape	Arithmetic Logic Unit	4
87	A CPU's processing power is measured in	IPS	CIPS	MIPS	nano-seconds	3
88	Control unit is often called the_ _____ of a digital computer	nerve centre	master dispatcher	clock	all of the above	1
89	The central processor of modern digital computer consists of	control unit	primary memory	all the above	none	3
90	Processors of all computers, whether micro, mini mainframe, must have	primary storage	ALU	control unit	all of the above	4
91	The first AT Systems have	12 bit ISA Bus	14 bit ISA Bus	16 bit ISA Bus	18 bit ISA Bus	3
92	A digital computer is based on the principle of	measurement	logic	multiplication	counting	4
93	How many types of storage loops exist in magnetic bubble memory	8	4	16	2	4
94	The linking of computers with a communication system is called	networking	pairing	interlocking	assembling	1
95	Standardisation means	connecting two computer systems	compatibility between different computer systems from different suppliers	always using a standard parallel interface	joining a computer used group	2
96	Which memory is nonvolatile and may be written only once	RAM	EP-ROM	SRAM	PROM	3
97	For creating and editing legal documents which application packaged would be most useful	spreadsheet	word-processing	graphic	communication	2
98	Word-processing is used for	presentation of data in graphical form	what if analysis	entry, verifying, updating retrieving etc. of records	creation, storage, editing etc. of text	4
99	The analog computer deals directly with	number of codes	measured values of continuous physical magnitude	signals in the form of 0 or 1	signals in discrete values from 0 to 9	2
100	Transistor was invented in	1945	1946	1947	1948	4
101	Integrated circuits are classified according to the	no. of chips	no. of vacuum tube	no. of gates	no. of transistor	3
102	1 K bits equals to the	1000bits	100bits	1024 bits	10 bits	3
103	The first microprocessor was introduced in	1971	1972	1973	1974	1
104	In the past, microchip manufacturing has been a particular source of controversy between the U.S. companies and the Japanese companies who have been charged with dumping microchips in the U.S. What is meant by the word "dumping" ?	Selling cheaply	Selling below cost	Selling free	Selling through agents	2
105	The biggest manufacturer workstation is	Sun Microsystems	IBM	DEC	HP	1

106	It has been found that about 30 percent of the people feel 'computer anxious'. Out of these, about 3 to 5 percent suffer from serious computer phobia. What is the technical name for this feeling of fear ?	Compuphobia	Technostress	Cyberphobia	Dizziness	3
107	Networking is a connection of two or more	computer system	man	place	business	1
108	Today motherboard typically use	70 pin modules	72 pin modules	74 pin modules	76 pin modules	2
109	Memory access in RICS architecture is limited to instructions	CALL & RET	PUSH & POP	STA & LDA	MOV & JMP	3
110	What was the nickname of the computer used by the Americans in 1952 for their H- bomb project ?	ENIAC	EDSAC	MANIAC	UNIVAC	3
111	A stack pointer is	a 16 bit register in the microprocessor that indicated the beginning of the stack memory	a register that decodes and executes 16 bit arithmetic expressions	the first memory location where a subroutine address is stored	a register in which flag bits are stored	1
112	If a computer is on but does not respond to a system reset, what is it said to be ?	Dead	Off	Hung	Insensitive	3
113	Most of the inexpensive personal computers do not have any disk or diskette drive. What is the name of such computers ?	Home computers	Diskless computers	Dedicated computers	General-purpose computers	1
114	The number of children in family is a _____	analog	digital	hybrid	hyperbolic	2
115	Which of the following belongs to the first generation of computers ?	ENIAC	UNIVAC	IBM 8090	IBM 1401	2
116	Fifth generation computers are likely to exhibit	artificial intelligence	heuristic behaviour	advanced paralalled processing	all of the above	4
117	How many input lines are needed to construct 1024 bit coincident core plane	8	16	32	64	4
118	In terms of processing power there is a class of computers between mini computers and microcomputers known as	supercomputer	mainframe	personal computer	workstation	4
119	Through a computer can replace people in dull and routine tasks, yet it lacks	initiative	originality	speed	accuracy	2
120	The digital computer was developed primarily in	USSR	Japan	USA	UK	3
121	In computer jargon, wetware means	human intelligence	any organic intelligence	artificial intelligence	high intelligence	2
122	Scientists at the University of Edinburg. Scotland have devised to video camera-on- a-chip which consists of lenses smaller than match-head on an 8 mm chip. Can you name the two scientists who have developed this chip ?	Peter Tal	Peter Denyer	David Renshaw	Both (b) and ©	4
123	Which generation of computers is covered by the period 1964-77?	First	Second	Third	Fourth	3
124	"The three most important inventions of this century are the nuclear bomb, the high yield hybrid speed, and the computer". Can you name the person who made this statement	harry F.Jordan	Buckminister Fuller	Jack Smith	Jan Timmer	2
125	In 1990, the US Department of Commerce permitted export of computers with aprocessing data rate (PDR) of 275 of India. Higher PDR rating means more powerful and varsatile computing powess. Which PDR is called the China Green Line ?	200	250	275	550	4
126	Which of the following is not currently a topic in computer science ?	Speech recognition	Artificial intelligence	Thermodynamic s	Multiprocessing	3

127	A new technology which provides the ability to create an artificial world and have people interact with it is called	televirtuality	virtual reality	alternative reality	3-D reality	2
128	What is the name given to the molecular-scale computer?	Supercomputer	Nanocomputer	Femtocomputer	Microcomputer	2
129	Human beings are referred to as Homosapiens. Which device is called Silico Sapiens?	Monitor	hardware	Robot	Computer	4
130	No computer can do anything without a	program	memory	chip	output device	1
131	An error in software or hardware is called a bug. What is the alternative computer jargon for it?	Leech	Squid	Slug	Glitch	4
132	What is the name of the modern film in which a computer manages to capture and impregnate a human woman?	The Day the Earth Stood Still	Forbidden Planet	Demon Seed	The Invisible Boy	3
133	If a computer had no decision making function, what will it be reduced to?	Electrical machine	Adding machine	Counting machine	Slide rule	2
134	When did arch rivals IBM and Apple Computers Inc. decide to join hands?	1988	1989	1990	1991	4
135	The word 'computer' usually refers to the central processor units plus	keyboard	external memory	internal memory	peripheral devices	3
136	Apple Computer Inc. was established in 1977 by a couple of young computer engineers with the idea of manufacturing low price computers for the use of small businesses. Why did they call their company Apple?	because their computer resembled an apple in shape	because the company was situated near an apple orchard	because one of the partners had once worked in an apple orchard	because the company was set up during apple season in America	3
137	In computer technology, what is meant by the phrase "state-of-the-art"?	Up-to-date	Best	Latest	All of the above	4
138	A 'number crunching' computer is one that can handle	large spreadsheets	large alphanumeric data	large volume of numbers	only numbers	3
139	The analog computer measures dimensions and its circuits use the differential and integral equations of continuous variables. The digital computer counts units and its circuits use	logic gates	discrete switches	Boolean algebra	Bayes theorem	3
140	A computer is a box full of electronic	chips	switching devices	circuits	components	2
141	The pieces of equipment which are attached to the CPU of a computer and which it can access are called	output devices	control units	peripherals	ALU	3
142	The physical equipments made of various metals, silicon and plastic components that make up the parts of a computer is called	micro	peripheral	hardware	disk drive	3
143	Who in 1988 announced the latest version of CD-ROM called CD0-ROM XA (extended architecture) which provides a documented means of integrating digital audio with computer data on a CD-ROM disk?	Sony	Philips	Microsoft	All of the above	4
144	With the development of digital computers, there has been an increasing study of the relationship among computers, the human nervous system and the human thinking process. The origin of this field of study is attributed to	Norbert Wiener	Marvin Minsky	A.M. Turing	Arthur Clarke	1
145	The attribution of human form or qualities to things such as machines or computers is called	cybernetics	cybernation	artificial intelligence	anthropomorphism	4

146	When RET instruction at the end of a subroutine is executed	the information where the stack is initialized is transferred to the stack pointer	the memory address of the RET instruction is transferred to the program counter	two data bytes stored in the top two locations of the stack are transferred to the program counter	two data bytes stored in the top two locations of the stack are transferred to the stack pointer	3
147	A computer can only do what it is told to but it does it at a very fast speed and with cent percent accuracy. Can you guess the Intelligence Quotient (IQ) of a modern digital computer ?	100	0	60	150	2
148	A NOR gate is ON only when all its inputs are	ON	positive	high	OFF	4
149	Which of the following does not describe one or more characteristics of a Computer ?	electronics	external storage	storage program	program modification at execution	2
150	Computers are extremely fast and have fantastic memories. However, the only thing they can remember is	alphanumeric	series of 1s and 0s	Boolean algebra	logic theorems	2
151	Preparing a magnetic disk for data storage is called	booting	formatting	debugging	commissioning	2
152	How does a computer solve a problem ?	By Human like thinking	By first understanding the problem	By recalling the answer from memory	By following the pre-written programs	4
153	Which part of the computer is used for calculating and comparing ?	Disk unit	Control unit	ALU	Modem	3
154	Can you tell what passes into and out from the computer via its port	Data	Bytes	Graphics	Picture	2
155	The data between the computer and peripherals always passes via an input/output	port	A/D converter	D/A converter	buffer memory	1
156	An error in computer data is called	chip	byte	bug	bit	3
157	Every thing a computer does is controlled by its	random access memory	input devices	central processing unit	external storage devices	3
158	All modern computers operate on	diskettes	information	data	words	3
159	How many full adders are needed to add two 4-bit numbers with a parallel adder ?	8	4	2	16	2
160	What is needed to assemble a logic network for adding three digits ?	Two half adders	OR gate	AND and NOT gates	Both (a) and (b)	4
161	When did IBM introduced the 80286-based PC/AT?	1983	1984	1985	1987	2
162	What is the number of binary digits which can be added by a full-adder ?	2	3	4	8	2
163	The first electronic general purpose digital computer built by Mauchly and Eckert called ENIAC did not work on the stored program principle. How many numbers could it store in its internal memory ?	100	20	500	1000	2
164	Which of the following is not a basic configuration used in data communication network	computer/peripheral device configuration	computer-to-computer communication	computer to front-end processor communication	communication through a data switch	3
165	In data transmission, the bit coding scheme used to represent a byte is typically	EBCDIC	ASCII	SNA	Hexadecimal	2

166	Which of the following is true of parallel transmission	it involves the simultaneous transmission of eight bits	The speed is quoted in bits per second	it is slower than serial transmission	most micorcomputer communicate with other computes in this mode	1
167	Which of the following is not a device used in data communication?	modem	multiplexor	statisticall multiplexor	all of the above are used in data communication	4
168	which of the following is not one of the major compnents of a decision-support system?	language system	knowledge system	expert system	problem-processing system	3
169	A decision-suopport system is intended to rpduce information to support which type of decisions?	well structured	unstructured	anticipated	routine	2
170	The major function of the language system is	to perofrm various processing tasks	to provide artificial-intelligence capabilities to the DSS	To provide data to the DSS	to enable the users to interact with the DSS	4
171	Which of the following is not true of nonprocedural language?	They can be English-like	They can take user-friendly forms	BASIC is an example of a nonprocedural language	Theyb allow the user to simply specify the characteristics of a problem and to leave the determination of the logical steps to the DSS	3
172	A central purpose of most decision-support system is	to build a model of the decision making problem	to design a data-base management system	to build an expert system	to determine the key decisions in the problem area	1
173	Which American computer company is called Big Blue ?	Microsoft Corpn.	Compaq Corpn	IBM	Tandy Svenson	3
174	Where does a computer add, compare and shuffle its data ?	Memory chip	CPU chip	Floppy disk	Hard disk	2
175	When was the X window System born ?	1984	1986	1988	1990	1
176	What is the name of the logic circuit which can add two binary digits ?	Full adder	Half adder	Parallel adder	Flat register	2
177	The control data register hold the present Microinstruction is some time called	instruction register	Microinstruction register	Sequencer	Pipline register	4
178	The subject of Cybernetics deals with the science of	genetics	control and communications	molecular biology	biochemistry	2
179	Pipelining strategy is called implement	instruction execution	instruction prefetch	instruction decoding	instruction manipulation	2
180	Part of the computer where data and instructions are held is	Register unit	Accumulator	Memory unit	CPU	3
181	A microprocessor is ----- on a chip	computer	CPU	ALU	Control unit	3
182	A device used to bring information into a computer is	ALU	Input device	Control unit	Output device	2
183	The section of the CPU that selects, interprets and sees to the execution of program instructions	memory	register unit	control unit	ALU	3
184	A third and last component of CPU is	ALU	Input device	Supervisory-control unit	register unit	3

185	A stack is	an 8-bit register in the microprocessor	A 16 bit register in the microprocessor	A set of memory locations in R/W reserved for storing the execution of a program	A 16 bit memory address stored in the program counter	3
186	The radix of a number system	is variable	has nothing to do with digit position value	equals the number of its distinct counting digits	is always an even number	3
187	When a subroutine is called the address of the instruction following the CALL instruction is stored in/on the	stack pointer	accumulator	program counter	stack	4
188	Computer memory	performs all calculations	receives input data	is extremely limited	is better than human memory	3
189	Whenever the POP H instruction is executed,	data bytes in the HL pair are stored on the stack	two data bytes at the top of the stack are transferred to the HL register pair	two data bytes at the top of the stack are transferred to the program counter	two data bytes from the HL register that were previously stored on the stack are transferred back to the HL register	2
190	Pipeline processing uses the technique	sharing the memory	bit slicing	perfecting	parallel processing	3
191	Control memory address register specifies the address of the	instruction	microinstruction	instruction cycle	memory address register	2
192	Micro instructions are stored in	computer memory	primary storage	secondary storage	control memory	4
193	During execution subroutine return address is stored in	Control address register	Subroutine address	Stack pointer	Memory location	2
194	A control unit whose binary control variables are stored in memory is known as	Hardwired control unit	Microprogrammed control unit	Software Control unit	Hardware control unit	2
195	A Microprogram written as string of 0'S and 1'S is a	Symbolic Microinstruction	Binary Microinstruction	Symbolic microprogram	Binary Microprogram	4
196	A Microprogram sequencer perform the operation	Read	Write	execute	Read and execute	4
197	A microprocessor consists of	general purpose register	program counter	ALU	all of the above	4
198	The stack is list of the type	FIFO	LILO	FILO	None of the above	3
199	The operation performed on stack are	IN & OUT	CALL & RET	CALL & PUSH	PUSH & POP	4
200	A stack organised computer has	Three-Address instruction	two-address instruction	one- address instruction	Zero address instruction	4
201	The effective address is the address of the operand in an instruction of type	immediate	indirect	register	computational	4
202	Program counter of CPU store the address of the instruction	Currently executed	to be executed next	just executed	none of the above	2
203	States bits of the CPU are stored in a flag	Carry	Sign	Zero	all of the above	4
204	Interrupts which are initiated by an instruction are	internal	external	hardware	software	4
205	A memory that is a part of a control unit is referred to as	External memory	Internal memory	Cache memory	Control memory	4
206	Who coordinates the sequencing of events within the central processor of a	logic unit	Arithmetic unit	register	control unit	4

	computer?					
207	What is a Jacquard loom ?	A bird found in Bangalore	A weaving machine which used punched cards	The first computer controlled loom	A machine for writing match tables	2
208	What is meant by computer literacy ?	Ability to write computer programs	Knowing what a computer can and cannot do	Knowing computer related vocabulary	Ability to assemble computers	2
209	Which of the following does not contain a microprocessor ?	Robot	Microwave oven	Washing Machine	Ball pen	4
210	One of the most impressive features of a modern digital computer is its speed. A fast computer is able to do more calculations in one minute than a person using a pencil and paper can do in	0 years	20 years	lifetime	50 years	3
211	Who is credited with the idea of using punch cards to control patterns in a weaving machine ?	Pascal	Hollerith	Babbage	Jacquard	4
212	A computer has no more sense than a light	bulb	pen	switch	pad	3
213	A computer enthusiast is	user friendly	hacker	a computerist	all of the above	2
214	One computer that is not considered a portable computer is	Minicomputer	laptop computer	notebook computer	all of the above	1
215	The word size of a microprocessor refers to	the amount of information that can be stored in a byte	the amount of information that can be stored in a cycle	the number of machine operations performed in a second	the maximum length of an English word that can be input to a computer	2
216	Which major development led to the production of microcomputers?	Magnetic disks	Floppy disks	Logic gates	Integrated circuits	4
217	A complete microcomputer system consists of	microprocessor	memory	peripheral equipment	all of the above	4
218	Intel 80486 Pipelining implements stages	6	4	5	3	3
219	A computer program that converts an entire program into machine language at one time is called a/an	interpreter	simulator	compiler	commander	3
220	Interrupts which are initiated by an I/O device are	Internal	external	software	all of the above	2
221	The microprocessor of a computer cannot operate on any information if that information is not in its	secondary storage	main storage	ALU	logic unit	2
222	The ALU of a computer responds to the commands coming from	primary memory	control section	external memory	cache memory	2
223	Which type of computers use the 8 bit code called EBCDIC?	Minicomputers	Microcomputers	Mainframe	Supercomputers	3
224	Arithmetic instructions provide	data processing capabilities	data storage capabilities	computational capabilities	control capabilities	3
225	Branch instructions are used to	manipulate numeric data	logical data	transfer control	manage data	3
226	CPU does not perform the operation	data transfer	logic operation	arithmetic operation	all of the above	4
227	The most common addressing techniques employed by a CPU is	immediate	direct	indirect	all of the above	4
228	In immediate addressing the operand is placed	in the CPU register	after opcode in the instruction	in the memory	in the stack	2

229	The register are essential to instruction execution	program counter	instruction register	memory address	all of the above	4
230	Control unit operation is performed	hardwired control only	micro program control only	hardwired or micro program control	none of the above	3
231	Hartwired control unit is implemented by	software routines	logic circuits	stacks	registers	2
232	What is meant by a dedicated computer	Which is used by one person only	which is assigned one and only taks	which does on kind of software	which is meant for application software only	2
233	Which of the following isn't a type of computer facility ?	decentralized	centralised	de-distributed	distributed	3
234	The first mechanical computer designed by Babbage was called	Analytical Engine	Abacus	Calculator	Processor	1
235	What of the following terms is related to a monitor ?	screen	monochrome monitor	RGB monitor	video display	4
236	Which kind of storage device can be carried around ?	hard disk	system cabinet	main memory	diskette	4
237	Which of the following people probably has the least amounth of technical knowledge ?	programmer	user	systems analyst	computer operator	2
238	Which of the following devices allows the user to add components and capabilities to a computer system ?	storage devices	keyboards	system boards	expansion slots	4
239	Which of the following terms applies to communication between separate comoputer systems ?	computer literacy	power supply	applications software	connectivity	4
240	People typically interface with a computer- based system when:	information must be output	data must be input	information must be reviewed	all of the above	4
241	The following typically happens in the output phase of a computer-based information system:	Data is put into the computer for processing	Information is produced in hardcopy and/or softcopy form	Mathematical calculations are performed	The computer is turned off	2
242	Which of the following best describes a computer-based information system ?	a system in which a computer is used to turn data into information	inputting data	processing data	performing complex mathematical calculations	1
243	Which of the following is an example processing activities ?	classifying	summarizing	performing calculations	all of the above	4
244	Which of the following pieces of hardsare is used the most in the input phase of a computer-based information system ?	printer	diskette	monitor	keyboard	4
245	Which of the following is not a factor when categorizing a computer ?	amount of main memorty the CPU can use	capacity of the storage devices	cost of the system	where it was purchased	4
246	Which of the following might occur when an organization uses on-line processing ?	data is acted on immediately	master files are updated immediately	output is produced without delay	all related files are updated	2
247	software instructions intended to satisfy a user's specific processing needs are called	systems software	a microcomputer	documentation	applicati on softwar e	4
248	The principal advantage of the centralised approach to organizing a computer facility is :	cost-effectiveness	processing activities are easier to coordinate	processing activities are easier to control	all of the above	4
249	Which of the following isn't used in the storage phase of a computer based information system ?	magnetic	keyboard	diskette	hard disk	2
250	The person contributing the idea of the stored program was	Johan von Neumann	Charles Babbage	Howard Aiken	Thomas J Watson, Sr.	1

251	Transistorized computer circuit were introduced in the	first generation	second generation	third generation	fourth generation	2
252	The first firm to mass-market a microcomputer as a personal computer was	data general corporation	sperry univac	radio shack	IBM	3
253	The "Father of Punched Card Processing" was	J Presper Eckert	Charles Babbage	Blaise Pascal	Dr. Herman Holerith	4
254	The punched card used in IBM System/3 contains	80 column	90 column	96 column	126 column	3
255	First integrated circuit chip was developed by	C.V. Raman	W.H. Brittain	J.S. Kilby	Robert Noyce	3
256	The main distinguishing features of fifth generation digital computers will be	liberal use of microprocessors	artificial intelligence	extremely low cost	versatility	2
257	Mark the WRONG statement	Digital computers work on sequential basis	programs written in high-level languages are known as source programs	every computer has its own machine language	a given compiler can be used with practically all modern computers	4
258	Which of the following statements best describes the batch method of input ?	data is processed as soon as it is input	data is input at the time it is collected	data is collected in the form of source documents, placed into groups, and then input to the computer	source documents aren't used	3
259	What is the name of the structured design technique that uses meetings to review programming logic?	CODASYL	Egoless programming	Structured walkthrough	Top-down approach	3
260	Instructions for execution by a computer are given in language.	symbolic	BASIC	machine	compiler	3
261	A program written in machine language is called Program	assembler	object	computer	machine	2
262	A source program is the program written in Language	English	symbolic	high-level	machine	3
263	The use of a computer to get information from a data bank is called	information withdrawal	computer stimulation	information retrieval	full-text searching	3
264	A ADU is used as	input device	output device	voice data entry device	both a and b	4
265	A computer program consists of	a completed flowchart	algorithms	algorithms written in computer's language	discrete logical steps	3
266	Hexadecimal numbers are a mixture of	binary and decimal numbers	letters and decimal digits	binary and octal numbers	octal and decimal numbers	2
267	Which of the following is a high-level language?	Ada	BASIC	COBOL	all of the above	4
268	The language that doesn't require the user to learn a specific vocabulary or syntax is:	RPG	FORTRAN	COBOL	BASIC	1
269	The input code of the compiler as well as assembler is called	object code	machine code	source code	assembler code	3
270	Which of the following is the most powerful type of computer	supermicro	superconductor	microcomputer	supercomputer	4
271	In a compiler organization, what is the designation of a person who prepares data for computer input using either floppy disks or optical scanning sheets or video display terminals?	Programmer	Computer operator	Data entry clerk	Data control clerk	3

272	The counting board in which numbers are represented as beads strung on wires is commonly called abacus. By what name is it known in Japan	Suanpan	soroban	Napier's beads	Suharto	2
273	What is the name of the program coding that is unnecessarily complex and difficult to follow?	Pseudocode	Spaghetti	Complex code	Object code	2
274	Which of the following is not an advantage of stored programs ?	reliability	reduction in operational costs	ability of the computer to operate at electronic speeds	the computers becoming general-purpose	2
275	All of the following are examples of input devices except:	COM(Computer Output Micro film)	CRT (Cathode Ray Tube)	optical scanners	voice-recognition devices	1
276	Which of the following is not true of primary storage ?	It is a part of the CPU	It allows very fast access to data	It is relatively more expensive	All the above are true	4
277	What is the control unit's function in the CPU?	to decode program instructions	to transfer data to primary storage	to perform logical operations	to store program instructions	1
278	The ascending order of a data hierarchy is:	bit-byte-record-field- database	byte-bit-field-record- file-database	byte-bit-record-file-database	bit-byte-field-record-file-database	4
279	Which of the following is not true of immediate processing ?	It is often used in realtime applications	It can occur with either sequential or direct-access files	It can be used in an airline-reservation system	Transactions are processed shortly after a real-world event occurs	2
280	Which of the following statements is true?	The smart approach to using computers is to write programs	Knowledge of the system development life-cycle is not important to operators who use computers without programming	Hands-on exposure to the computer is not helpful to those who write programs	Personal computers have been an important contributing factor in the movement toward using computers without programming	4
281	_____ is the product of data processing	data	information	software	a computer	2
282	The most common input device used today is the	motherboard	central processing unit	keyboard	system unit	3
283	What is the name of the programming technique which emphasizes breaking large and complex tasks into successively smaller sections?	Scrambling	Structured programming	Microprogramming	Sub-programming	2
284	The "slow sequential output by speech or manual actions" is a characteristics of man for the task	Method of information input	Method of information output	Method of error detection	Method of editing information	2
285	The individual who catalogs storage media is the :	Data clerk	Control clerk	Tape librarian	All of the above	3
286	The data processing job expected to further decrease in the 1990s is that of ;	Keypuncher	Data entry clerk	Computer operator	Programmer	1
287	Which of the following statements is true ?	Analyst usually work alone and sometimes as part of a team	Most systems projects are completed in 6 to 12 weeks	An analyst's primary concern is the development of software	Analyst evaluate data flow through an organization	4
288	The computer device primarily used to provide hardcopy is the :	CRT	Line printer	Computer console	Card reader	2
289	The term interchangeable with control clerk is :	Data clerk	Data control clerk	Tape librarian	Data entry clerk	1
290	In computer terminology, information means	raw data	data in more useful or intelligible form	alphanumeric data	program	2

291	Data processing is	the same thing as data collection	similar to computer programming	mostly associated with commercial work	akin to data coding	3
292	Which one of the following can read data and convert them to a form that a computer can use ?	Logic	Storage	Control	Input device	4
293	_____ is a technique in which man and machine are blended into a problem-solving team, intimately coupling the best characteristics of each.	CAM	CAD	CRT	DVST	2
294	The characteristic(s) of man for the task "method of logic and reasoning" is (are)	Intuitive by experience	Imagination	Judgement	all of the above	4
295	Which of the following terms could be used to describe the concurrent processing of computer programs, via CRTs, on one computer system ?	Time-sharing	Online processing	Interactive processing	All the above processing	4
296	The characteristic(s) of computer for the task "method of information input" is(are)	Large amount of input at one time by sight or hearing.	Sequential stylised input	Informal and intuitive	all of the above	2
297	The daily processing of corrections to customer accounts best exemplifies the processing mode of :	Batch processing	Real-time processing	Time sharing	Offline processing	1
298	Which of the following characteristic(s) is (are) affect the design of a CAD system?	The method of constructing the design	The strong and communication of design information	he handling of errors and design changes.	all of the above	4
299	The _____ is usually used for straight forward computing processes involving no interaction between the user and the machine.	Remote terminal Processing	Intelligent Terminal Processing	Batch mode processing	ON-line processing	3
300	The _____ is normally used for running programs which require and produce only small amounts of data, but which need to interact with the user.	Remote terminal processing	Intelligent Terminal processing	Bactch mode processing	On-line processing	1
301	The _____ is normally used where a high degree of interaction is necessary.	Batch mode processing	Remote terminal processing	Batch mode processing	On-line processing	4
302	The command used to change the justification and/or rotate the text of an associate dimension is	DTEXT	DIMTEDIT	DIMROTATE	DIMROTATE	2
303	The text justification option that prompts the user for two endpoints and the text height so the text is adjusted between the two points at the specified height is	Fit	Centered	Fully centered	Right justified	1
304	The option of the DTEXT command used for determining a specific text alignment mode is	Starting point	Align	Justify	Locate	3
305	From the following list, the most efficient command used to edit text by performing a spell check is	SPELL	CHANGE	SP	CHECK	1
306	The Draw command that prompts the user for "First corners:" and "Other corner:" is	PLINE	ZOOM-Window	RECTANG	STRETCH-Crossing	3
307	Who launched IBM's first PC in 1981	disk drive	RAM	ROM	Port	1
308	The CPU (central processing unit) consist of :	input, output, and processing	control unit, primary storage, and secondary storage	contro uni, arithmetic-logic unit, and primary storage	input, processing, and storage	3
309	The characteristic(s) of computer for the task "level of intelligence" is (are)	Little learning capability but reliable level of intelligence	Learns rapidly but sequential	Unreliable intelligence	all of the above	1
310	Who developed a mechanical device in the 17th century that could add, subtract, multiply, divide and find square roots	Napier	Babbage	Pascal	Leibnitz	4

311	What is the name of the earliest calculating machine which was based on concepts found in modern computers but was unfortunately never build	Babbage's Difference Engine	Pascal's Adder	Leibnitz's Multiplier	Differential Analyser	1
312	Who is called the "grandfather" of the computer	Herman Hollerith	Blaise Pascal	Charles Babbage	Joseph jacquard	3
313	In 1830, Charles Babbage designed a machine called the Analytical Engine which he showed at the Paris Exhibition. In which year was it exhibited	1835	1860	1855	1870	3
314	Data System management has long-term viability as a separate business function because	it requires much technical knowledge	it requires large investments	specialists in data systems cannot be integrated into a marketing or manufacturing organization	an integrated database accessible to all requires independent management	4
315	To be information, data must be	factual	relevant	news	all of the above	4
316	A teleprocessing system may be	computer system	data communication system	card processing system	all of the above	4
317	Data management systems may be implemented as	System software	application software	computer programs	all of the above	4
318	A data system for calculating measures used in statistical inference is an example of a	teleprocessing system	data management system	computing system	all of the above	3
319	Strategic planning is	planning operations	supervising	problem identification	all of the above	3
320	The unit of hardware an operator uses to monitor computer processing is the	Card reader	CPU	Line Printer	Console	4
321	For the purposes of defining data needs, responsibility area is	marketing	administration	personnel	all of the above	3
322	Most computers understand programs written in	natural English language	BASIC	any high-level programming language	specific programming language	1
323	Computing systems can be effective in generating strategic information because	the future can be predicted from the pattern of the past	they require managers to clarify their thinking about their plans and future possibilities	they give management access to a large database	all of the above	2
324	Electronics images of people speaking that are used in computer security operations are referred to as :	Voiceprints	Passwords images	Vocal passwords	electronic prints	1
325	The repeated access of a particular flight number from an airline reservation system is an example of :	Frequency	Repetitive processing	Updating	Volume	1
326	A factor which would strongly influence a business person to adopt a computer is its:	Accuracy	Reliability	Speed	All the above	4
327	The total number of messages handled by a computerized telephone system on a daily basis is an example of :	Frequency	Updating	Volume	All the above	3
328	Which of the following statements is true ?	The installation of a computer is favourably received by all employees	Some form of training is necessary for employees who will work with computers	Computers are portrayed solely as society's benefactor	A businessperson is only interested in the computer's accuracy	2
329	The average cost of computerised theft is estimated at :	\$20,000	\$100,000	\$500,000	\$ 1,000,000	3
330	The status of all data handled by a DP center is determined by a :	Data number	Control number	Reference number	Item number	2

331	The individual within the operations group who ordinarily uses a variety of keyboard devices is the :	Data clerk	Kaypunch operator	Data entry clerk	Computer operator	3
332	An example of providing supervisory information by the use of a computing system is	use of computer to prepare customer invoices	use of computer to plan shapes to be cut from sheet of steel	use of phone to report job status	all of the above	2
333	First generation computer systems used :	transistors	vacuum tubes	magnetic cores	silicon chips	2
334	Which of the following affects processing power ?	data bus capacity	addressing scheme	clock speed	all of the above	4
335	Programmable Read Only Memory (PROM) of a digital computer (Mark the wrong statement	is permanent	contains program instructions	is programmed during manufacture	is volatile	3
336	Which of the following is a secondary memory device ;	disk	central processin unit	keyboard	arithmetic Logic Unit	1
337	Following is a way to acces secondary memory	random access memory	action method	transfer method	density method	1
338	The two kinds of main memory are :	primary and secondary	random and sequential	ROM and RAM	central and peripheral	3
339	A hard copy would be prepared on a	typewriter terminal	line printer	plotter	all of the above	4
340	A dot matrix printer	is an input device	is an output device	cannot print alphabet	has a speed of 500 cps	2
341	Most of the errors blamed on computers are actually due to	programming errors	hardware fatigue	defects in floppy disks	data entry errors	4
342	The NOT symbol at the output of an OR gate converts it into a/an___gate	AND	NAND	XOR	NOR	4
343	Computer memory consists of ____ micro	RAM	ROM	PROM	all of the above	4
344	Backing storage is so named because it	lags behind the main memory	is slow and backward	back up the computer's main memory	is always kept at the back of the CPU	3
345	An advantage of overlapped processing activities is ;	more effective use of the CPU	increased processing activities for the entire system	better coordination of I/O activities	all the above	4
346	A computer-controlled device for training exercise that duplicates the work environmnet is a:	simulator	duplicator	trainer	COM device	1
347	The comparison of data inside the arithmetic logic unit is referred to as a :	question	data operation	conditional question	logical operation	4
348	A characteristic of the ASCII code is :	it limitation to a maximum of 96 character configurations	its use of the zone code 1010, 1011, and 1100	its independence from the Hollerith code	all of the above	3
349	Which of the following allows users to specify what the computer is supposed to do rather than how the computer is supposed to do it?	nonprocedural language	FORTTRAN	BASIC	COBOL	1
350	Which of the following hardware components is the most volatile ?	ROM	RAM	PROM	EPROM	2
351	Which of the following is used for manufacturing chips ?	control bus	control unit	parity unit	semiconductors	4
352	Which of the following are th two main components of the CPU ?	control unit and registers	registers and main memory	control unit and ALU	ALU and bus	3
353	Which of the following holds data and processing instructions temporarily until the CPU needs it ?	ROM	control unit	main memory	coprocessor chips	3

354	Which of the following is true ?	Fields are composed of bytes	Files are composed of records	Fields are composed of characters	all of the above	4
355	List of detailed instructions that directs a computer is called which one of the following	Logic	Storage	Control	Input device	4
356	A typical modern computer uses	magnetic cores for secondary storage	LSI chips	magnetic tapes for primary memory	more than 10,000 vacuum tubes	2
357	Arithmetic and Logic Unit (ALU) are called the__of a computer	heart	master despatcher	primary memory	all of the above	1
358	The basic components of a modern digital computer are :	central processor	input device	output device	all of the above	4
359	The languages in which computer programs are usually written differ from the language that the computer directly 'obyes' or 'understands'. Who performs the translation?	The card reader	The programmer	The computer operator	A special hardware translator	4
360	A visual display unit or terminal (which is right?)	is, by definition, a dumb terminal	can possess either graphic or alphanumeric capabilities, but not both	must be located at site of the CPU	is the most popular input device used today in direct-access processing	4
361	What is the most significant difference between a simple desk calculator and computer ? Choose from the following	The computer is an electronic machine while the desk calculator may or may not be electronic	The computer is useful in business applications while the desk calculator is not	The computer can print its results, while the desk calculator can only show it on a display	The computer is controlled by a program stored in its memory while calculator require step-by-step manual control	4
362	An integrated circuit (IC) is	complicated circuit	an integrating device	much costlier than a single transistor	fabricated on a tiny silicon chip	4
363	A computer programmer	does all the thinking for a computer	can enter input data quickly	can operate all types of computer equipment	can draw only flowchart	1
364	As compared to the secondary memory, the primary memory of a computer is	large	cheap	fast	slow	3
365	Which of the following is the most characteristic of ROM ?	It is measured in megabytes	It is volatile	It performs mathematical calculations	Instructions are stored there permanently	4
366	The term "memory" applies to which one of the following ?	Logic	Storage	Control	Input device	2
367	Which one of the following can produce the final product of machine processing in a form usable by humans ?	Logic	Storage	Control	Output device	4
368	Which computer memory is used for storing programs and data currently being processed by the CPU ?	Mass memory	Internal Memory	Non-volatile memory	Non-volatile memory	2
369	The binary system uses powers of ____for	2	10	8	16	1
370	The essential features of a number system are	radix	set of distinct digits	bits	both a & b	4
371	The term used to defend all input and output devices in a computer system is _	Monitor	Software	Shared resources	hardware	4
372	The function of CPU is _____	to provide external storage of text	to communicate with the operator	to read, interpret and process the information and instruction	to provide a hard copy	3
373	Which of the following is not connected with backing or back-up storage ?	diskette	hard disk	dot matrix printer	cassette	3

374	A hybrid computer ?	resembles analog computer	resembles digital computer	resembles both analog and digital computer resembles	none	3
375	Main memory contains ?	data	instructions	both	neither	3
376	in a computer, RAM is used as a short memory because it	is volatile	has small capacity	is very expensive	is programmable	1
377	In computer terminology a compiler means	a person who computes source programs	the same thing as a programmer	key punch operator	a program which translates source program into object program	4
378	A modern fast mainframe digital computer can perform up to _____operations per second	1000(1K)	100,000	1000,000(1M)	1,000,000,000 (1G)	4
379	A term used interchangeably with diskette is :	disk cartridge	disk pack	floppy disk	packette disk	3
380	A characteristic normally associated with a large-scale computer system is:	real-time processing	a complex array of I/O devices	a CPU of 1000 K	all the above	4
381	A software package generally used within a distributed word processing system is :	ATMS	DWPS	RPG	DBMS	1
382	An advantage of a distributed word processing network is:	increased number of reports handled	less delay in interoffice communications	greater corporate control over outputs	all of the above	2
383	ROM is composed of:	magnetic cores	microprocessors	photoelectric cells	floppy disks	1
384	Which of the following terms is the most closely related to main memory ?	nonvolatile	permanent	control unit	temporary	4
385	The BCD code for the character W is composed of :	A, 4, and 1 bits	A,4, and 2 bits	A and 5 bits	A and 6 bits	2
386	A modern delectronic computer is a machine that is meant for	doing quick mathematical calculations	input, storage, manipulation and outputting of data	electronic data processing	performing repetitive tasks accurately	2
387	The operation of a digital computer is based on principle	counting	measuring	electronic	logical	1
388	The proper definition of a modern digital computer is	an electronic automated machine that can solve problems involving words and numbers	a more sophisticated and modified electronic pocket calculator	any machine that can perform mathematical operations	A machine that works on binary code	1
389	A modern digital computer has	extremely high speed	large memory	almost unlimited accuracy	all of the above	4
390	The EBCDIC code for the character X with odd parity is :	0 1110 0110	1 1110 0111	1 1110 0110	0 1110 0111	2
391	Mark the WRONG Statement-A digital computer scores over an analog computer in terms of	speed	accuracy	cost	memory	3
392	A peripheral device used in a word processing system is :	floppy disk	magnetic card reader	CRT	all of the above	4
393	The first machine to success fully perform a long series of arithmetic and logical operation was	ENIAC	Mark-I	Analytic engine	UNIVAC-I	2
394	In reference to a computer, an assembler is a	program	person who assembles the parts	symbol	language	1

395	What is the name of the language which consists of strings of 1s and 0s and is the only one which the computer can understand directly?	Assembly language	Machine language	High level language	4GL	2
396	The only language which is machine specific and which a computer understand directly is called	assembly language	higher level language	lower level language	machine language	4
397	Compilers and interpreters are themselves	high level languages	programs	codes	mnemonics	2
398	What is the name of the output from either a compiler or an assembler	Source code	Object code	Op-code	Operand	2
399	Whereas a higher level language could remain the same from one computer to another, each computer requires its own	monitor	compiler	assembler	keyboard	2
400	A characteristic of card system is :	slowness in processing data	using cards as records of transactions	needling a larger DP staff	all the above	4
401	Advances in computer hardware and software are generally classified into generations. We are currently in which generation	Second	third	fourth	fifth	3
402	The field name assigned to card fields should	indicate the type of data items the field will contain	have the same number of characters as the length of the field	begin with the same character as the data in the field	all the above	1
403	Which of the following was (were) not used in first-generation computers ?	vaccum tubes	cards	magnetic core	punched paper tape	3
404	Which of the followings was not associated with second-generation computers ?	high level procedural language	operation system	magnetic core	all of the above were associated with second generation computers	4
405	The card type that requires you to return a portion of it with payment is the:	Dual card	Document card	Stub card	Either b or c	3
406	A five-digit card field used for postal ZIP codes is defined as :	An alphabetic field	A numeric field	An alphameric field	A letter field	2
407	The gangpunching of cards is performed on the:	Collator	Reproducer	interpreter	Keypunch	2
408	What is the name of the computer programming language which is widely used in computer science and engineering as well as business?	PASCAL	LISP	COBOL	BASIC	1
409	Which of the following fields in a student file can be used as a primary key ?	class	social security number	GPA	major	2
410	The very small and cheap computer build in to many home devices is called _____ computer	main frame	mini	micro	analog	3
411	The advantages of magnetic tape include all of the following except:	low cost	direct-access storage medium	compact and portable	highly reliable	2
412	Currently the most popular form of secondary storage is:	magnetic tape	semiconductor	magnetic core	disk	4
413	Which of the following is an example of nonvolatile memory ?	ROM	RAM	LSI	VLSI	1
414	_____ can be programmed one time by either the manufacturer or the computer user. Once programmed, it cannot be modified :	RAM	ROM	PROM	EPROM	3
415	The CPU can perform read or write operations at any point in time :	ROM	PROM	EPROM	All of the above	4

416	The parity bit is added for _____ purpose	coding indexing	error-detection	controlling	updating	3
417	Compared with secondary storage, primary storage, primary storage is :	slow and inexpensive	fast and inexpensive	fast and expensive	slow and expensive	3
418	Which file organization is allowed by a direct-access storage device ?	direct only	sequential and direct only	indexed and direct only	sequential, indexed and direct	4
419	Which of the following is used to check for errors in RAM chips ?	ROM chip	microprocessor chip	parity chip	EPROM chip	3
420	Which of the following are used to quickly accept, store and transfer data and instructions that are being used immediately by the CPU ?	microprocessors	registers	ROM chips	data buses	2
421	Why is the width of a data bus so important to the processing speed of a computer ?	The narrower it is, the greater the computer's processing speed	The wider it is, the more data that can fit into main memory	The wider it is, the greater the computer's processing speed	The wider it is, the slower the computer's processing speed	3
422	Which of the following is not true of a magnetic disk ?	Users can easily update records by writing over the old data	It provides only sequential access to stored data	It is expensive relative to magnetic tape	It does not provide an automatic audit trail	4
423	The first mechanical computer designed by Charles Babbage was called :	Analytical Engine	Abacus	Calculator	Processor	1
424	The modern abacus which uses small beads strung on counting frames is still being used in some oriental countries like China and Japan, How would you classify this calculator ?	analog	hybrid	digital	electrical	3
425	Which of the following is true of the digital computers ?	It represents the decimal numbers through a string of binary digits	It is used primarily in scientific applications	It is less accurate than the analog computer	All of the above	1
426	Which of the following is not true of primary storage ?	It represents the decimal numbers through a string of binary digits	It stores operating-system programs	It stores data while they are being processed by the CPU	It stores the bulk of data used by a computer application	4
427	The technique of placing software or programs in a ROM semiconductor chip is called :	PROM	EPROM	firmware	microprocessor	3
428	IBM 7000 digital computer	belongs to second generation	uses VLSI	employs semiconductor memory	has modular construction	4
429	HTML/asp					
430	Get method passes the values to destination page	Through HTTP headers	Cookies	QueryString	none	3
431	Which of the following is true	Get method can send more data than post method	Post method can send more data than get method	Both can send equal number of bytes	none	2
432	Output of following :<HTML><BODY> HARTRON1 <SCRIPT LANGUAGE = "VBSCRIPT " RUN AT = "SERVER"> response. write("HARTRON 2")</SCRIPT></BODY></HTML> will be:-	HARTRON1 HARTRON 2	HARTRON2 HARTRON1	HARTRON 2	invalid HTML page	2
433	HTTP_REFERER tells	The type of browser website user is using	IP address of visitor to website	How the visitor arrived to a website	Internet address of server	3
434	Which of following is true : <!--#INCLUDE FILE = "----"----->	is used when file is located within any directory in your	is used when file is physical path to include file is supplied	is same as #include virtual	none	2

		website				
435	Which is true	Include directives are processed before scripts	Include directives are processed after scripts	can be used to dynamically include files	none	1
436	Server variable SCRIPT_NAME tells	the browser name	name of script used	path of current page	none	3
437	Cookies are passed between server and browser	Through querystrings	Through HTTP headers	Session variables	Application variables	2
438	Keyset-driven cursor	Provides the fastest performance of all cursors	Does not support scrolling	Can detect any changes made to table while cursor is open (deletion, insertion, update)	Can reflect updated data only while cursor is open and not deletion, insertion	4
439	Move first method	Cannot be work with forward only cursor	Moves to next record with forward only cursor	may move to first record with forward only cursor	none	3
440	Paging properties can not be used with	Forward only	Static	Keyset	Dynamic	1
441	<% myfile = "firstpage.asp" %> <!-- #include file = "<%= myfile %-->"	will include a file named "<%= myfile%>"	will hang the application	will generate error	none	3
442	Record count property when used with forward only cursor returns	0	1	-1	generates error	3
443	Which of following is true	Application variables and session variables are specific to particular user	only application variable are user specific	Application variable are shared among all users	session variables are shared among all uses	3
444	Session variables work with help of	cookies	querystring	HTTP headers	any of these	1
445	Best way to maintain web site is through	cookies	querystrings	session variables	hidden fields	3
446	Utility used to work send E-mail in ASP is	content rotator	index server	CDONTS	none of these	3
447	Which of following is true	HTTP protocol can not be used to retain the state of user	HTTP maintains state of user as session variables	HTTP protocol maintains state but not like session variables	none	1
448	To send output to browser which of following objects is used is ASP	request.write	document.write	response.print	response.write	4
449	<%Response.buffer = TRUE %> <% for i = 1 to 500 Response.write(i) Next %> will generate	500	display 1 through 500 down the browser screen	generates error	anyone of a and b depending on browser	1
450	When the page is not buffered which of following properties can work	End	Flush	Clear	all	1
451	<% Response.write("first page") Response.redirect("/another page.asp" Response.write("third page") %> another page : <% Response.write("Second page") %>	first page second page third page	second page	first page second page	second page third page	3
452	What is the output of the following statement: Response.cookies ("News") ("sports") ="cricket"	Creates a dictionary of cookies and name it News	Creates a dictionary of cookies and name it sports	delete a cookie named news	None of these	1
453	Which of the following is not a CGI programming language	C++	Visual Basic	Shell Languages	None of these	4

454	XML is based on	HTML	DHTML	SGML	None of these	3
455	Which of the following is true:	DHTML & HTML allows to create and use own tags	both XML and DHTML are dynamic	XML allows to create and use own tags	None of these	3
456	<pre><% var =" he said , " "Hello ! "" "" %> <html> <input type="text" name =" my field " value = "<% server.HTMLEncode(var)%>"> </html> when this program is executed the value in the text box is:</pre>	" he said , " " hello ! "" ""	"he said,"	he said , " " hello ! ""	None of these	3
457	Which of the following is true	The lock method of application object prevents other scripts from modifying an application variable	Response object represent the HTTP request sent by client	both (a) & (b) are true	None of these	1
458	The result of the following statement Response.cookies("news")=date()-1	declare a cookie named news	delete cookie news	set value (date()-1) to cookie news	None of these	2
459	The server variables collection of request object represents	controls on a form	parameter values in the HTTP request	values of pre determined environment variables	None of these	3
460	What following statement will do when executed session.abandon	abandon the session later on	terminates the session by releasing its session object	asks the user whether to terminate or not	None of these	2
461	what is true about request object	represents the response sent to the client	represent the HTTP request made by the client to the script	represents viewer session	represents web application	2
462	<pre><html> <script language =" VBScript"> sub window-onload() document.location.href =" put.asp" end sub </script> </html> output of the program is:</pre>	results in error	put.asp file is displayed when window is loaded	won't display anything	None of these	2
463	<pre><% Response.write("first page") Server.execute "/another page.asp" Response.write("third page") %> Another page <% Response.write("second page") %> output will be :</pre>	first page second page third page	second page	first page second page	second page third page	1
464	<meta> page is used to	specify information about document to browsers,application s,s earch engines	specify preformatted text to include within a document	both	none	1
465	Default cursor type of a recordset is	Forward only	Static	Keyset	Dynamic	1
466	Advantages of server side cursor over client side cursor is :	That it increases the performance of application	does not place much work on database server	does not place much work on web server	both are more or less same	3
467	RecordCount property is supported by following cursor(s)	Forward only	Static	Keyset	Dynamic	2
468	Which of the following is not a collection of request object	Client Certificate	cookies	contents	contents	3
469	What is true about collection query string of the request object(built in object of ASP)	Value of field stored in client certificate	value of predetermined environment variables	value of cookies send in the HTTP request	value of parameters In the HTTP request	4
470	Which of the following is built in ASP object to execute transactional scripts	Application	Request	Object context	Server	3
471	Output of the following ASP program will be <pre><Home> <%x="hello" %> <% Response.write(x) %></html></pre>	Program won't execute	will give error x undefined	Hello	will give error : Server script time out	3

472	Output of the following program will be <html> <% dim a response.write ("Hello world") Responswe.end %> <% response.write ("Hey ") %> </html>	program generates error	Hello world	hello world hey	Hey	2
473	To create a new cookie with the name News we have to write	Response.cookies ("News")="Sports"	Set Request ("News")="Sports"	server.cookies ("News")="Sports"	session.cookies ("News")="India"	1
474	Result of the following statement is <% Response.write Server.HtmlEncode("To display in bold use and <I> tags ") %>	To display in bold use and tags	To display in bold use and <I> tags	will generate error	To display in bold use tags	2
475	To connect to a different URL using response object which of the methods is used	Execute	Flush	redirect	end	3
476	The property absolute page of recordset object specifies	specifies the position of the current row in a rec	Specify the page on which the current row resides	specifies the command object that created the recordset object	specify the connection used	2
477	LCID(locate identifier) is the property of which built in ASP object	application	session	server	object context	2
478	To delete Cookie "News" the statement used is	Response.cookies ("news")=Date()+1	Response.cookies ("news")=Date()	Response.cookies ("news")=null ()	Response.cookies ("news")=Date()-1	4
479	<% var= "he said , "" hey ! "" " %> <html> <input type ="text " name =" myfield" value = "<%=var % > "> </ html> value appeared on the text field is:	He said , "" hey ! ""	he said ,	he said , " "	"" hey ! ""	2
480	Cookies are sent to the client as part of :	Controls on the form	HTTP reader	session variables	none of these	2
481	what will happen when statement response.end is executed.	Sends buffered output to the client	stops processing of file and sends buffered output to the client	erase any buffered HTML output	None of these	2
482	oracle					
483	SQL is:	non-procedural language	Procedural Language	Object Oriented Language	All of these	1
484	Long data type can store	4GB	5GB	2GB	3GB	3
485	Fixed length character data can be stored in:	VARCHAR2()	CHAR()	VARCHAR()	LONG	2
486	HAVING clause in SELECT statement is used to	restrict the column of table	restrict the rows of grouped result	restrict the rows of ungrouped table	none of these	2
487	ORDER BY clause in SELECT statement is used for:	sorting	selection	projection	all of these	1
488	What will be the output of query "select * from emp;"	Display * on the screen	Display Name of employees only	Display all the record of emp table	none of these	3
489	DISTINCT clause is used to:	all records	only one record	unique records	selected records	3
490	Which one is not aggregate function	SUM	CHECK	MAX	AVG	2
491	Which clause is used to restrict the groups?	WHERE	ORDER BY	GROUP BY	HAVING	4
492	Which clause use at lowest level in SELECT statement	GROUP BY	HAVING	WHERE	ORDER BY	4

493	ROLLUP used in SELECT statement	restrict column	restrict rows	calculate multiple levels of subtotals	calculate average	3
494	Which command is used to provide privilege to different user	REVOKE	GRANT	RECALL	PROVIDE	2
495	Which data model describes how the data is actually stored?	internal model	external model	conceptual model	all of these	1
496	Which one is not a set operator	UNION	MINUS	ADD	INTERSECT	3
497	Two tables are joined together using equality of values in one or more columns, with	Self join	Cartesian join	Equi join	Outer join	3
498	Which clause used to merge the outputs of two or more queries into single set of rows and columns	UNION	MINUS	INTERSECT	none of these	1
499	Which one is not RDBMS	VB	C++	JAVA	All of these	4
500	LIKE operator used with	CHAR	VARCHAR2	1 and 2	none of these	2
501	'%' represents a sequence(s):	one character	zero character	zero or more character	one or more character	3
502	System date function in oracle	DATE	SYSDATE	SDATE	SYSTEMDATE	2
503	Which condition is not true in case of inner query	The inner query must be enclosed in parentheses.	The inner query may not have an order by clause	The inner query must have use groupby clause	all of these	3
504	An Operator which check the existence of values	SOME	ALL	LIKE	EXISTS	4
505	The function finds the smallest integer greater than or equal to n	FLOOR(n)	EXP(n)	CEIL(n)	ABS(n)	3
506	The output of SIGN(n) if n is negative	0	-1	1	none of these	2
507	The function which capitalizes the first character of each word in string	UPPER(string)	INSTR(string)	ASC(string)	INITCAP(string)	4
508	The function removes all blank spaces from the left of string	LPAD	LTRIM	RTRIM	RPAD	2
509	Output of NEXT_DAY(date,day) is :	next day of the given date	Last day of the month	last day of the year	date of next specified day of the week	4
510	Display the name of user:	uname	username	user	name	3
511	Output of LAST_DAY(d) is :	date of next specified day of the week	The date of the last day of the month specified	next day of the given date	Last day of the month	2
512	What DDL stands for:	data declaration logic	data definition language	digital definition logic	disk defragmentation language	2
513	Number of NOT NULL columns in a Table	one	two	three	none of these	4
514	Table name contains	30 characters	31 characters	32 characters	40 characters	1
515	Primary key defines as:	Only a key which uniquely identifies the records of table	The first field in the table	Which contains duplicate values	none of these	1
516	Which constraint used to assign default value to the column	CHECK	DEFAULT	ASSIGN	All of these	2

517	Which statement is wrong	INSERT INTO EMP VALUES (111,'TECHNICAL EDUCATION',000);	INSERT INTO EMP VALUES (&SRNO,&DNAME,&VALUE);	INSERT INTO EMP VALUES (&1,&2,&3);	none of these	4
518	State wrong one:	DELETE command is used to delete rows from a table	specific columns cannot be deleted from table with DELETE command	DROP TABLE is used to delete table alongwith its structure	none of these	4
519	Select wrong statement regarding VIEW	VIEW does not store any data	VIEW restricts access to the database	VIEW can be created without base table	all of these	3
520	Which command display all the tables on screen	DESC	SELECT * FROM TAB	SELECT * FROM TABLE	DISPLAY	2
521	Which command display the structure of table on screen	DESC	SELECT * FROM TABLE	SELECT * FROM TAB	LIST	1
522	View not contains at the time of definition	GROUP BY	WHERE	HAVING	ORDER BY	4
523	Which command used to replace existing value of the column	REPLACE	TRANSLATE	UPDATE	none of these	1
524	Which condition(s) necessary to make view read only	It must no have columns that are aggregate function	It must not use DISTINCT in its definition	It must not use subqueries	All of these	4
525	Which clause specifies that INSERT and UPDATE performed through the view are not allowed to create rows which the view cannot select	CHECK	START WITH	HAVING	WITH CHECK OPTION	4
526	A table is Key-preserved table	if primary key contain numeric value only	if primary key contain character value only	if every key of table can also be a key of the result of the join	none of these	3
527	Which clause allows the recipient user to give further grants on the objects	WITH UPDATE OPTION	GRANT	REVOKE	WITH GRANT OPTION	4
528	Indexing:	organise the table in proper way	assign primary key to the table	speed up the processes	none of these	3
529	To delete the index from the table	DELETE INDEX	DROP INDEX	COMMIT INDEX	all of these	2
530	Display the list of ROLES created by users	select * from user_roles	select * from roles	select * from user-roles	select * from tab	1
531	Step(s) for creating clusters	creating cluster	createing cluster table	creating cluster index	all of these	4
532	Clustering means	method of storing tables that are related and accessed together	assigning validation check to the table	creating backup of the table	none of these	1
533	Maximum length of all the cluster columns combined is :	237	238	239	240	3
534	START WITH clause is used in	indexing	sequences	clustering	view	2
535	The command used to make changes to permanent:	COMMIT	ROLLBACK	GRANT	REVOKE	1
536	The command used to discard part or all work the user has done in current transaction	COMMIT	ROLLBACK	GRANT	REVOKE	2
537	The statement used to discard or commit all the changes upto a point	COMMIT	ROLLBACK	SAVEPOINTS	none of these	3
538	Which is/are the advantage of PL/SQL	Integration	Modularity	Portability	all of these	4

539	Which one is not the section of the PL/SQL program	Declaration section	Execution section	Error section	Exception Handling section	3
540	%rowtype is used	provide a record type that represents a row in the table	access datatype of the specified column	declare specified data type to a variable	all of these	1
541	Which operator have the higher precedence	**	+	LIKE	OR	1
542	EXIT WHEN	alterative	iterative	used in loops	none of these	3
543	SELECT statement in PL/SQL must return	five records	four records	three records	one records	4
544	Which clause used with SELECT statement to store values from the table into variables	GOTO clause	INTO clause	UPTO clause	none of these	2
545	Which command is used to compile and execute the PL/SQL program	RUN filename	@filename	&filename	SQL filename	2
546	Command used to print on the screen	PRINT	WRITE	dbms_output.put_line()	DISPLAY	3
547	variable declaration is done in :	declaration section	execution section	exception handling section	none of these	1
548	Which on is not a composite datatype:	record	table	varray	string	4
549	SQLERRM	SQL server message	SQL memory information	error message	non of these	3
550	Which variable attribute is used to define a column type variable	%rowtype	%type	%column type	all of these	2
551	Private SQL area to execute SQL statements and store information	Table	Record	View	Cursor	4
552	Which clause excluded in cursor	OPEN	CLOSE	FETCH	EXECUTE	4
553	Run time error are known as:	Exception	syntax error	grammetical error	non of these	1
554	Cursor not supported by	VB	JAVA	c	all of these	4
555	Which one is not predefined exception	NO_DATA_FOUND	TOO_MANY_ROWS	STORAGE_ERROR	OTHERS	4
556	In PL/SQL a function returns	one value	all values	non value	none of theses	1
557	Function required	GOTO clause	JUMP clause	RETURN clause	all of these	3
558	Which argument mode lets the user to pass the value to called subprogram.	OUT	IN OUT	IN	all of these	3
559	Which one is not the part of trigger	Trigger Event	Trigger method	Trigger action	Trigger constraint	2
560	Which part is optional	Trigger Event	Trigger action	Trigger constraint	none of these	3
561	SQLJ :	Translator which converts all SQL calls into JAVA calls	SQL for JAVA	SQL Jobs	non of these	1
562	Which command used to close a file	FFLUSH	FCLOSE	CLOSE	none of these	2
563	Which command used to open a file	FFLUSH	FOPEN	OPEN	EDIT	2

564	NCLOB stands for	Fixed width multi byte character large object	No change in large object	non-complement large object	none of these	1
565	BFILE stands for :	Big file	Basic file	Binary file	non of these	3
566	Which is not an oracle process	DBWR	SMON	RECO	DBA	4
567	Which is/are provided NCA	The development of a robust reliable architecture	provide flexibility	offers extensibility	all of these	4
568	which one is not a oracle product	SQL *Plus	Oracle report builder	JDK	Developer2000	3
569	Which is oracle case tool	SQL *Plus	Developer2000	Designer2000	SQL *loader	3
570	JVM stands for	JAVA virtual machine	Joint value machine	JAVA variable manipulation	none of these	1
571	Which one is not th content of Program global area	Stack space	session information	shared area	parallel area	4
572	Which tool should you use to display the structure of the DEPARTMENT table?	Data Manager	Oracle Expert	Schema Manager	storage Manager	3
573	You want to understand why Oracle Expert has suggested a particular change toyourtavlespace storage parameters.How can you find more information.	Run the Trace Assistant	Generate a summary report	View the information in the Analysis tab	View the information in the Implement tab	2
574	Indicate which describes the term "Software"	systems programs only	Application program only	Both a and b	All of the above	3
575	User JAIN owns the EMP table. Which privilege does user SCOTT need to modify data in two of the columns in this table?	UPDATE	DELETE	SELECT	EXECUTE	1
576	Given this formula: number of blocks that contain rows, number of blocks below the high-water mark, Which value should be your target for non-empty tables?	0	1	25	100	4
577	For which purpose should the SYSTEM tablespace ber used?	to hold sorted data	to store personal user objects	to prevent data file fragmentation	to keep track of all created objects	4
578	Which SQL command would you use to permanently remove all of the rows of data from a table and reduce its storage space?	DROP	ALTER	DELETE	TRUNCATE	4
579	You are using ORM to disable some constrains prior to a direct path data load. Which two constraint types should be disabled?	check	not null	primary key	foregin key	4
580	When is the best time to pin a procdure in the shared pool?	just before the database is shut down	right after the procedure is executed	right after the database is started up	when system rollback	3
581	In which parameter would a higher values reduce the wait time for free transaction space?	NEXT	PCTUSED	INITRANS	MAXEXTENTS	3
582	You are attempting to create a table space with the SIZE parameter when you receive this error?ORA-59 Maximum number of DB_FILES exceeded What is the best way to solve this problem?	Recreate the Database	Increase the DB_FILES parameter	Create the table space with a smaller file size	Reduce the number of datafilesassoci ate d with each tablespace in the database.	2
583	Which of the following actions will alwayscause the DBWR process tlo write dirty buffers to disk?	The data base shutdown in normal mode.	A dirty buffer is moved to the dirty list.	A SELECT operation requires a logical read.	A SELECT operation reques a physical read	1
584	Which is the type of the table that may be a good candidate for clustering?	often joined	frequently updated	many uniquevalues within a column	no common columns with other tables	1

585	If you wanted to terminate a user's session, which are the two of the following values that must be included in the KILL SESSION clause?	dba password	session ID indeed	serial number of user session	b and c	4
586	Which of the following types of storage structure would you use to create three tables that will be frequently joined based on similar key column values?	LOB	hash cluster	nested table	Index cluster	4
587	You altered the NLS_SORT parameter by altering the parameter file. Which data dictionary view would you query to display the current NLS_SORT parameter value?	DBA_CATALOG	NLS_SESSION_PARAMETERS	NLS_DATABASE_PARAMETERS	NLS_INSTANCE_PARAMETERS	4
588	You are monitoring the distribution of space allocated to the DEPT table owned by the Human Resources Application. Which data dictionary view could you query to display the number of blocks used by the table in each data file?	DBA_USERS	DBA_EXTENTS	DBA_OBJECTS	DBA_SEGMENTS	2
589	Which SQL clause should be used when it is possible to avoid sorting?	UNION	MINUS	UNION ALL	INTERSECT	3
590	Which two SELECT statement clauses return all the rows of a table when combined?	SELECT	FROM dept.	SELECT ALL	FROM COUNT(*)	4
591	If you have exceeded the total allocation to the buffer pools by setting the DB_BLOCK_BUFFERS and/or the DB_BLOCK_LRU_LATCHES parameters too high, what would happen?	An error would occur and the database would not be mounted	An error would occur and the database would be mounted but no opened	The database would open, but the DB_BLOCK_BUFFERS and DB_BLOCK_LRU_LATCHES parameters would be ignored	The database would open and the DB_BLOCK_BUFFERS and DB_BLOCK_LRU_LATCHES parameters would be resized by Oracle to fit into memory.	1
592	You have been given the task of determining how many rollback segments to be allocated to an application. What do you need to accomplish this task?	files in the tablespace	available database buffers	users who will be logged into the application	transactions likely to be active at any given time	4
593	Which SQL operation requires a sort?	SELECT * FROM item	SELECT item_no, item_desc, status FROM item	SELECT item_no, item_desc, status FROM item ORDER BY item_no;	SELECT item_no, item_desc, status FROM item WHERE item_desc BETWEEN 'Pen' AND 'Box';	3
594	Which Oracle diagnostic tool can display chart with realtime information on users throughput tablespaces and I/O?	Oracle Trace	Oracle Expert	Oracle Look Manager	Oracle Performance Manager	4
595	Your database has these tablespaces: USERS, TEMP, SYSTEM, RBS. Which table space should be used to store application indexes?	RBS	USERS	TEMP	SYSTEM	3
596	Round robin scheduling	allows interactive tasks quicker access to the processor	is quite complex to implement	gives each task the same chance at the processor	allows processor-bound tasks more time in the processor	3
597	In which of the following two data dictionary views all the space in a data file, except for the header block, can be accounted for?	DBA_EXTENTS	DBA_SEGMENTS	DBA_FREE_SPACE	A and C	4

598	For which task would you use the OEM Console Launch Palette?	Hide the navigator	Open the Instance Manager	Configure a paging service	View the hierarchy of Oracle services in your network	2
599	When does paging occur ?	when a process needs a large block of memory that is in real memory	when there is inadequate disk space to temporarily hold memory blocks	when a process needs a large block of memory that is in virtual memory	when the entire memory space being used by a process is removed from memory	3
600	A characteristic of an on-line real-time system is	More than one CPU	No delay in processing	Off line batch processing	All of the above	2
601	Which of the following statements is false?	a process scheduling algorithm is preemptive if the CPU can be forcibly removed from a process	time sharing systems generally use preemptive CPU scheduling	response time are more predictable in preemptive systems than in non-preemptive systems	real time system generally use non-preemptive CPU scheduling	4
602	Which of the following modules does not incorporate initialization of values changed by the module?	none reusable module	serially reusable module	re-entrant module	all of the above	1
603	Indicate whether the statement LDA B is a statement in	Machine Language	Assembly language	High level language	All of the above	2
604	A critical region is	a program segment that has not been proved bug-free	a program segment that often causes unexpected system crashes	a program segment where shared resources are accessed	one which is enclosed by a pair of P and V operations and semaphores	4
605	Which of the following addressing modes, facilitates access of an operand whose location is defined relative to the beginning of the data structure in which it appears	ascending	sorting	index	indirect	3
606	Which of the following is/are the advantage(s) of modular programming?	The program is much easier to change	Modules can be reused in other programs	Easy debugging	easy to compile	1
607	The capacity planning	requires detailed system performance information	is independent of the operating system	does not depend on the monitoring tools available	is not needed in small installation	2
608	The computational technique used to compute the disk storage address of individual records is called:	bubble memory	key fielding	dynamic reallocation	hashing	4
609	A process is another name for	a job	a task	paging	the operating system dispatcher	2
610	Thrashing	is a natural consequence of virtual memory systems	can always be avoided by swapping	always occurs on large computers	can be caused by poor paging algorithms	4
611	Which type of administrative operation is recorded in the alert file?	network errors	application errors	shutting down the database	identity of users logging in and out of the database.	3
612	Fork is	the dispatching of task	the creation of new job	the creation of a new process	the creation of a new process	3
613	The register or main memory location which contains the effective address of the operand is known as	pointer	indexed register	special location	scratch pad	1
614	Situations where two or more processes are reading or writing some shared data and the final result depends on who runs precisely when are called	race conditions	critical sections	mutual exclusions	message passing	1

615	In which situation would it be most appropriate to use a self join query	The EMPLOYEE and REGION tables have corresponding columns.	The EMPLOYEE and REGION tables have no corresponding columns.	The EMPLOYEE tables has two columns that correspond to each other.	The EMPLOYEE table columns that corresponding to the REGION table contains null values for rows that need to be displayed.	3
616	You used the TRUNCATE command on the INVENTORY table which two results are true?	The TRUNCATE command can be rolled back.	The INVENTORY table definition still exists.	The storage space held by the INVENTORY table was released.	b and d	4
617	You are using a procedure that queries customer information. Where is this data processed?	table	data files	memory structure	roll back segments	3
618	In which addressing mode the effective address of the operand is the contents of a register specified in the instruction and after accessing the operand, the contents of this register is incremented to point to the next item in the list?	index addressing	indirect addressing	auto increment	auto decrement	3
619	The paging rate	should never be greater than 100 per second	is greater for large programs	is the number of I/O interrupts each second	increase as the number of page faults increase	4
620	What type of failure would have occurred if a user modifying the EMPLOYEE table inadvertently set all employee salaries to the same amount?	media	process	instance	user error	4
621	Moving process from main memory to disk is called	scheduling	caching	swapping	spooling	3
622	Which of the following is not a part of the operating system?	supervisor	performance monitor	job-control program	input/output control program	2
623	You are creating an index on the EMPNO column in the EMPLOYEE TABLE. Which statement will you use?	CREATE INDEX emp_empno_idx ON employee.empno;	CREATE INDEX emp_empno_id FOR employee.empno;	CREATE INDEX emp_empno_id ON employee (empno);	CREATE emp_empno_idx INDEX ON employee (empno);	3
624	Ntwrng					
625	What is a precise set of rules that govern how 2 people or things will interact	PPP	Protocol	OSI Layers	None	2
626	Network Storage is first divided into	Volumes	Protocols	Root	None	1
627	Command that issued only from the file server's console are known as	Server Command	System Command	Console Command	System & Server Command	3
628	Which provides a more sophisticated network communications tool	Console Message	Communication	Run	Email	4
629	Who make up the majority of the network users	User	End User	Administrator	None	2
630	Which Command allows the user to set a new password or change an existing one	MMC	Setconsolepass	Setpass	None	3
631	What do you mean by HAL	Hardware Application Layer	Hardware Application Link	Hardware Access Layer	None	1
632	Which Protocol is used in Smart Card	PAP	CHAP	EAP	DAP	3

633	How many octave in IP Addressing	2	4	8	16	2
634	Which cable is used for the backbone of the Network	10Base2	10Base5	Fiber Optic	RJ45	2
635	Define UTP in cableingss	Unshielded Twisted Pair	Unshield Twin Pair	Unwired Twin Pair	Unwired Twisted Pair	1
636	What is the high speed networks in full duplex token ring	20MBPS	32MBPS	64MBPS	None	2
637	What is the high speed of Full duplex Ethernet	20MBPS	32MBPS	64MBPS	None	1
638	What is the high speed of Fast Ethernet	20MBPS	600MBPS	100MBPS	320MBPS	3
639	Which type of cable is used to connect two parallel systems	Fast Ethernet Cable	Token Cable	Cross Cable	Parallel Cable	3
640	What is the maximum length limitation for 100BaseT from a Workstation to B Workstation	100M	200M	250M	2000M	4
641	In which network each node has P-P-Link with a control hub	Ring	Bus	Star	None	1
642	Which command is used to check the IP Address	IPCON	IPCONFIG	ITPCONFIG	CONFIG	2
643	How many Layers are in Open System Interconnection	1	5	7	11	3
644	Why is Router used	To connect 2 computers	To connect 2 different networks	To connect 2 bridges	None	2
645	What is the common term for multiple physical print devices associated with a single printer	Printer Group	Printer Cluster	Printer Pool	Parallel Printing	3
646	Where do you configure processor affinity	Control Panel, Services	Control Panel, System	Performance Monitor	Task Manager	4
647	Which operating system can be installed remotely using sysprep answer files	Win 3.1	Win 95	WinNt4	Win 2000	4
648	IP Address is of how many bits	16	32	64	128	2
649	Which are LAN Topologies	Star	Ring	Bus	All of these	4
650	ATM term used in Networking stands for	Asynchronous Transfer Mode	Automatic Transfer Mode	Automatic Teller Machine	None	1
651	Which is the fastest LAN	Full Duplex Token Ring	Fast Ethernet	Full Duplex Ethernet	None	2
652	What is the medium of data signaling in Fiber Optic Network	Sound	Noise	Data	Light	4
653	Which OSI Layer defines a flat address space	Layer 1	Layer 2	Layer 3	Layer 4	2
654	TCP Stands for	Transmission Control Process	Transfer Control Protocol	Transmission Control Protocol	None	3
655	How many bits are in IPX Address	50 bits	60 bits	70 bits	80 bits	4
656	Which Command is used to log into a file server	Login	Connect	Sytemin	None	1
657	The most commonly shared device is	Harddisk	Floppy	CD Rom	Printer	4
658	Which command is used to tell the computer to send output to a network print queue	Endcap	Send	CAPTURE	NPPRINT	3

659	How many types of IP Address Classes	6	5	4	3	1
660	How does an IPX client find a server	GPS Broadcast	GNS Broadcast	PPP Broadcast	None	2
661	What is the access list number range for an extended IPX access list	100 to 500	600 to 1000	900 to 999	1000 to 1100	3
662	What is the access list number range from an IPX SAP Filter	100 to 500	1000 to 1099	1000 to 1100	1000 to 2000	2
663	At which layer of OSI model does switch operate	Layer 1	Layer3	Layer7	Layer2	4
664	How many types of routes	Static	Dynamic	Static, Dynamic	None	3
665	What type of cable is needed to a console port	Rollover Cable	Cross Cable	UTP Cable	None	1
666	What are the two PPP authentication options	PAP, PPP	CHAP, PAP	CHAP, PPP	None	2
667	What does ISDN stands for	Integrated Services Device Network	Integrated Service Device Node	Integrated Services Digital Network	Integrated Services Digital Node	3
668	Frame Relay operates at which OSI Layer	Layer1	Layer2	Layer7	Layer5	2
669	The loss in signal power as light travels down the fiber is called	attenuation	propagation	scattering	interruption	1
670	Number of bits per symbol used in Baudot code is	7	5	8	9	2
671	An example of an analog communication method is	laser beam	microwave	voice grade telephone line	all of the above	4
672	Data communications monitors available on the software marked include	ENVIRON/1	TOTAL	BPL	Telenet	2
673	While transmitting odd-parity coded symbols, the number of zeros in each symbol is	odd	even	a and b both	unknown	4
674	In communication satellite, multiple repeaters are known as	detector	modulator	stations	transponders	4
675	An example of a medium speed, switched communications services is	series 1000	data phone 50	DDD	all the above	3
676	To set up a bulletin board system you need	a smart modem with auto-answer capabilities	a telephone line	a personal computer	all of the above	4
677	Avalanche photodiode receivers can detect bits of transmitted data by receiving	100photons	200photons	300 photons	none of the above	2
678	One important characteristic of the hub architecture of ARC net is	a directionalized transmission	access control & addressing	multiple virtual networks	alternative routing	1
679	A baud is always equivalent to	a byte	a bit	100 bits	none of the above	4
680	A remote batch-processing operation in which data is solely input to a central computer would require	telegraph line	simplex lines	mixed bidirectional channel	all the above	2
681	In a synchronous modem, the digital-to-analog converter transmits signal to the	equalizer	modulator	demodulator	terminal	1
682	Which of the following statements is correct	terminal section of asynchronous modem contains the scrambler	receiver section of a synchronous modem contains the scrambler	transmission section of the scrambler	control section of a synchronous modem contains the scrambler	3

683	Which of the following is considered a broad band communication channel	coaxial code	fiber optic cable	satellite systems	all of the above	4
684	Which of the following statement is incorrect	The difference between synchronous and asynchronous transmission is the clocking derived from the data in synchronous transmission	Half-duplex line in which data can move in two directions, but not at the same time	Teleprocessing combines telecommunications and DP techniques in online activities	Batch processing is the preferred processing mode for telecommunication operations	4
685	The interactive transmission of data within a time sharing system may be best suited to	simplex lines	half duplex lines	full duplex lines	biflex line	2
686	Communication circuits that transmit data in both directions but not at the same time are operating in	a simplex mode	a half-duplex de	a full duplex mode	an asynchronous mode	2
687	Local area network	that connects thirty personal computers can provide more computing power than a mini computer	controls error detection and correction	constructs packets of data and sends them across the network	none of the above	4
688	What does the acronym (ISDN) stand for	integrated Services Digital Network	Intelligent Indian Standard Digital Network	Services Digital Network	Integrated Services Data Network	2
689	If you get both local and remote echoes, every character you type will appear on the screen	once	twice	three times	never	2
690	In geosynchronous orbit, satellite	remains in a fixed position so that as earth rotates, it can fully cover the earth	remains in a fixed position related to points on earth	moves faster than the earth's rotations so that it can cover larger portion of earth	moves simultaneously	1
691	In a PC to telephone hookup for longdistance communication, modem is connected between the telephone line and	PC	Synchronous port	Crossover cable	Asynchronous port	4
692	What function does a serial interface perform in data communication	converts serial data into audio data signals	converts analog signals into digital signals	converts parallel data into a stream of bits and vice-versa	decodes incoming signals into computer data	3
693	Which of the following is possible in a token passing bus network	in service expansion	unlimited number of stations	a and b both	unlimited distance	1
694	Which of the following statements is correct	protocol converters are the same as multiplexers	protocol converters are the same as TDMs	protocol converters are usually not operated in pairs	None of the above	3
695	What is the main difference between DDCMP and SDLC	DDCMP does not need special hardware to find the beginning of a message	DDCMP has a message header	SDLC has a IP address	none of the above	1
696	The word telematics is a combination of	computer	telecommunication	informatics	b and c	4
697	An error detecting code is which code is the remainder resulting from dividing the bits to be checked by predetermined binary number, is known as	cyclic redundancy check	checksum	error detecting code	error rate	1
698	A central computer surrounded by one or more satellite computers is called a	bus networks	ring networks	star networks	non of the above	3
699	The application layer of a network	establishes, maintains and terminates virtual circuits	defines the user's port into the network	consists of software being run on the computer connected to the network	none of the above	1

700	which of the following data transmission media has the largest terrestrial range without the use of repeaters or other devices	hardwiring	microwave	satellite	laser	3
701	What is the name of the device that connects two computers by means of a telephone line	tape	modem	bus	cable	2
702	Which of the following statements is correct	characteristic of the hub architecture of ARC net is alternative routing	characteristic of LAN is unlimited expansion	characteristic of LAN is low cost access for low band width channels	characteristic of the hub architecture of ARC net is directionalized transmission	4
703	Which of the following communication modes support two-way traffic but in only one direction at a time	simplex	half-duplex	three quarters duplex	full of the above	2
704	Device on one network can communicate with devices on another network via a	file server	utility server	printer server	gateway	4
705	Identify the odd term among the following group?	coaxial cable	optical fiber	twisted pair wire	microwaves	4
706	What is the name of the device that connects two computers by means of a telephone line?	Bus	Modem	Bus	Cable	2
707	What is the name of the device that converts computer output into a form that can be transmitted over a telephone line?	Teleport	Modem	Multiplexer	Concentrator	1
708	If communication software can be called "traffic cop" in a micro communication system, then what should be modem be called?	Park	Bridge	Interface	Link	3
709	What is the name given to the exchange of control signals which is necessary for establishing a connection between a modem and a computer at one end of a line and another modem and computer at the other end ?	handshaking	modem options	protocol	duplexing	1
710	Business meeting and conferences can be held by linking distant located people through a computer network. Not only the participants exchange information but are able to see each other. What is it called?	Telemeeting	telemailing	teleconferencing	teletalking	2
711	Communication between computers is almost always	Serial	parallel	series parallel	direct	2
712	What is the number of separate protocol layers at the serial interface gateway specified by the X.25 standard	4	2	6	3	4
713	Who invented the modem?	Wang Laboratories Ltd	AT&T Information Systems, USA	Apple Computer Inc	Digital Equipment Corp.	3
714	Four bits are used for packet sequence numbering in sliding window protocol used in a computer network. What is the maximum window size?	4	8	15	16	3
715	Which of the following is required to communicate between two computers	communications software	protocol	communications hardware	all of the above	4
716	Which of the following is considered a broad band communications channel?	Coaxial cable	fiber optic cable	microwave circuits	all of the above	4
717	Which of the following does not allow multiple users or devices to share one communications line?	Doubleplexer	multiplexer	concentrator	controller	1
718	Most data communications involving telegraph line use	simplex lines	wideband channels	narrow band channels	dialed service	3
719	A characteristic of a multiprogramming system is	simultaneous execution of program instructions	concurrent processing of two or more programs	multiple CPUs	all of the above	2

		from applications	two			
720	Which of the following items is not used in Local Area Networks(LAN)	Computer	Modem	Printer	Cable	2
721	Which of the following device is used with an X.25 network to provide service to asynchronous terminals	Repeater	bridges	gateway	packet assembler/disassembler	4
722	The X.25 standard specifies a	technique for start-stop data	technique for dial access	DTE/DCE interface	data bit rate	3
723	Layer one of the OSI model is	physical layer	link layer	transport layer	network layer	1
724	How many OSI layers are covered in the X.25 standard	two	three	seven	six	2
725	The process of converting analog signals into digital signals so they can be processed by a receiving computer is referred to as	modulation	demodulation	synchronizing	digitising	4
726	Which of the following performs modulation and demodulation	fiber optic	satellite	coaxial cable	modem	4
727	In OSI network architecture, the routing is performed by	network layer	data link layer	transport layer	session layer	1
728	In OSI network architecture, the dialogue control and token management are responsibilities of	session layer	network layer	transport layer	data link layer	1
729	The OCR reading unit attached to a POS terminal is called	Light pen	wand	cursor	all the above	2
730	Error detecting code is	an error-detecting code based on a summation operation performed on the bits to be checked	a check bit appended to an array of binary digits to make the sum of all the binary digits	A code in which each expression conforms to specify rules of construction and thus the presence of the error is detected	The ratio of the data units in error to the total number of data units	3
731	Which of the following communications service provides message preparation and transmission facilities ?	Teletex	Teletext	X400	Fax	1
732	A distributed network configuration in which all data/information pass through a central computer is	bus network	star network	ring network	point-to-point network	3
733	Which of the following medium access control technique is used for bus/ tree	token ring	token bus	CSMA	MAC	2
734	A 6 MHz channel is used by digital signaling system utilizing 4-level signals. What is the maximum possible transmission rate	1.5Mbaud/sec	6 Mbaud/sec	12Mbaud/sec	24Mbaud/sec	3
735	Which of the following might be used by a company to satisfy its growing communications needs	front end processor	multiplexer	controller	all of the above	4
736	Which of the following allows devices on the one network communicate with devices on another network?	Multiplexer	gateway	T-switch	modem	3
737	Different computers are connected to a LAN by a cable and a/an	modem	interface card	special wires	telephone lines	2
738	A T-switch is used to	control how message are passed between computers	echo every character that is received	transmit characters one at a time	rearrange the connections between computing equipment	4
739	Internet is	loose network not owned by anybody network run by the US Government	a network run by the United Nations Organisation	a but used by all universities and governments around the globe	a commercial information service run by Ziff Davis Co., in US	3

740	In computer network the following applications are becoming very popular	Hierarchical Applications	Centralized Applications	Client/Server Applications	Stand-alone Applications	3
741	Parity bit is	an error-detecting code based on a summation operation performed on the bits to be checked	A check bit appended to an array of binary digits to make the sum of all the binary digits	a code in which each expression conforms to specific rules of construction, so that it certain errors occur in an expression, the resulting expression will not conform to the rules of construction and thus the presence of the errors in detected	none of the above	2
742	To connect a computer with a device in the same room, you might be likely to use	a coaxial cable	adedicated line	a ground station	all of the above	1
743	When a group of computers is connected together in a small area without the help of telephone lines, it is called	Remote communication network (RCN)	Local area network (LAN)	Wide area network (WAN)	value added network (VAN)	2
744	What is going 'on line' ?	Buying a MODEM and connecting it to your computer	Getting a PTI or REUTERS news wire connection	Connecting your computer to a LAN	Getting access to the various commercial and other information services over the dial-up lines or I- Net connection	4
745	A packet switching network	if free	can reduce the cost of using an information utility	allows communications channels to be shared among more than one user	both b and c	4
746	Application servers are	Network Management Software	Integrated Development Platforms	Multiprocessor systems with typically 4GB disks, 128 KB RAM, multiple hard disks, CD ROM and network cards	systems used by on-line services for uploading applications and shareware	3
747	What is the minimum number of wires required for sending data over a serial communication links ?	2	1	4	3	1
748	Which transmission mdoe is used for data communication along telephone lines ?	Parallel	Serial	Synchronous	Asynchronous	2
749	What is the usual number of bits transmitted simultaneously in parallel data transmission used by microcomputers ?	6	9	8	7	2
750	Many large organizations with their offices in different countries of the world connect their computers through telecommunication satellites and telephone lines. Such a communication network is called.	LAN	WAN	ECONET	EITHERNET	2
751	Working of the WAN generally involves	telephone lines	mocrowaves	satellites	all of the above	4
752	The slowest transmission speeds are those of	twisted-pair wire	coaxial cable	fiber-optic cable	microwaves	4

753	How many pairs of stations can simultaneously communicate on Ethernet LAN	1	2	3	multiple	2
754	Videotex is a combination of	television	communication	computer technology	all of the above	4
755	We can receive data either through our television aerial or down our telephone lines and display this data on our television screen. What is the general name given to this purpose	view data	Tele text	Tele software	Video tex	4
756	After coding a document into a digital signal, it can be sent by telephone, telex or satellite to the receiver where the signal is decoded and an exact copy of the original document is made. What is it called?	Telex	Word processor	Facsimile	Electronic mail	3
757	The transfer of data from a CPU to peripheral devices of a computer is achieved through	modems	computer ports	interfaces	buffer memory	2
758	The communication mode that supports two way traffic but only one direction at a time is	simplex	duplex	half duplex	multiplex	3
759	FDDI is a	ring network	star network	mesh network	bus based network	1
760	Demodulation is the process of	converting digital signals to analog signals	converting analog signals to digital signals	combining many low speed channels into one high speed channel	dividing the high-speed signals into frequency bands	2
761	What was the first Network that was made available	DECNet 1980	novel Network	IBM Token Ring 1985	IBM PC Network 1984	1
762	Modulation is the process of	a file from one computer to another computer	converting digital signals to analog	converting analog signals to digital signals	none of the above	2
763	The term 'duplex' refers to the ability of the data receiving stations to echo back a confirming message to the sender. In full duplex data transmission, both the sender and the receiver	cannot talk at once	can receive and send data simultaneously	can send or receive data one at a time	can do one data transmission only	2
764	Which data communication method is used for sending data in both directions at the same time	super duplex	simplex	half duplex	full duplex	4
765	Choose the one which is not relevant to network	low-end stand alone hubs	stackable hubs	enterprise hubs	bus hubs	4
766	Which of the following is used for modulation and demodulation	modem	protocols	gateway	multiplexer	1
767	A hub in network is a	a multi port signal repeater or concentrator	a multi-plug like device to allow many computers to be connected	the server which serves every node	the central power supply	1
768	Which of the following refers to the term "residual error rate"?	the number of bit errors per twenty four hours of continuous operation on an asynchronous line	the probability that one or more errors will be undetected when an error detection scheme is used	the probability that one or more errors will be detected when an error detection mechanism is used	signal to noise ratio divided by the ratio of energy per bit to noise per hertz	2
769	A local area network	that connects thirty personal computers can provide more computing power than a minicomputer	cannot become bogged down like a mainframe would if the load is too high	both a and b	all of the above	1
770	What are the most commonly used transmission speeds in BPS used in data communication	9600	1200	2400	all the above	4

771	What is the name of the computer based EMMS that provides a common forum where users can check in at their convenience post messages, actively exchange ideas and participate in ongoing discussions	e-mail	Bulletin board system (BBS)	Teleconferencing	Videoconferencing	2
772	A communication network which is used by large organisation over regional, national or global area is called	LAN	WAN	MAN	VAN	2
773	Synchronous protocols	transmit characters one at a time	allow faster transmission than asynchronous protocols do	are generally used by personal computers	are more reliable	2
774	The most flexibility in how devices are wired together is provided by	bus networks	ring networks	star networks	non of the above	1
775	The physical layer of a network	defines the electrical characteristics of signals passed between the computer and communication devices	controls errors detection and correction	constructs packets of data and sends them across the network	all of the above	1
776	Which of the following might be used by a company to satisfy its growing communications needs ?	front-end processor	multiplexer	controller	all of the above	4
777	Working of the WAN generally involves	telephone lines	microwaves	satellites	all of the above	4
778	What is the name of the network topology in which there are bi-directional links between each possible node	Ring	Star	Tree	Mesh	4
779	A 2400-character text file has to be transmitted by using a 1200 baud modem. Can you tell how long will it take	2 seconds	20 seconds	10 seconds	12 seconds	2
780	Many low-speed channels are interwoven into one high-speed transmission by a	time-division multiplexer	frequency-division multiplexer	both b and c	all of the above	1
781	What is the commonly used unit for measuring the speed of data transmission	bytes per second	baud	bits per second	either b or c	2
782	Local area network can transmit	faster than telecommunications over public telephone lines	slower than telecommunications over public telephone lines	using twisted pair wiring or coaxial cables	both a and b	4
783	Which of the following communications modes support two-way traffic but in only one direction at a time ?	simplex	half-duplex	three-quarters duplex	full of the above	2
784	"Store and forward" applies to	distributed processing	timesharing	both a and b	neither a nor b	4
785	The term "remote job entry" relates to	batch processing	realtime processing	transaction processing	distributed processing	1
786	Terminals are required for	batch processing	realtime processing	both a and b	neither a nor b	2
787	A batch processing terminal would not include a	CPU	card reader	card punch	line printer	1
788	Typewriter terminals can print computer-generated data at a rate of	10 characters per second	120 characters per second	120 characters per minute	1200 characters per minute	2
789	An ROP would be attached to a	simplex channel	duplex channel	half duplex channel	full duplex channel	1
790	A network that requires human intervention of route signals is called a	bus network	ring network	star network	switched network	4
791	A required characteristic of an online real-time system is :	more than one CPU	offline batch processing	no delay in processing	all the above	3

792	Which of the following communications lines is best suited to interactive processing applications ?	narrowband channels	simplex lines	full-duplex lines	mixedband channels	3
793	A communications device that combines transmissions from several I/O devices into one line is a :	concentrator	modifier	multiplexer	full-duplex line	3
794	A distributed data processing configuration in which all activities must pass through a centrally located computer is called a :	ring network	spider network	hierarchical network	data control network	2
795	An anticipated result from multi programming operations is :	reduced computer idle time	the handling of more jobs	better scheduling of work	all the above	4
796	A subdivision of main storage created by operational software is referred to as a :	compartment	time-shared program	divided core	partition	4
797	Which of the following types of channels moves data relatively slowly ?	wideband channel	voiceband channel	narrowband channel	broadband channel	3
798	The systematic access of small computers in a distributed data processing system is referred to as:	dial service	multiplexing	polling	conversational mode	3
799	SAD					
800	With respect to the various phases in the system development life cycle, which of the following is least likely to vary :	Conduct of each phase	Sequence in which the phases are performed	Presence of each phase	Resources needed to perform each phase	2
801	Which of the following areas should be addressed while designing a system?	Problem domain	Human interface	Task management	Data management	1
802	The structure chart derived by studying the flow through the system supports the activity of	File design	Program design	Database design	Internal controls design	4
803	The data dictionary consists of	Definitions of all data elements in Data flow Diagram	Routing details of data elements	Process specifications	Key fields of the database	1
804	The inputs to the structured analysis phase are:	Physical representation of the current system	Logical representation of the proposed system	Feasibility document	Requirements specification	4
805	Data flow diagrams are used for	Data Modeling	Process modeling	modeling interactions in a real-time environment	None of the above	4
806	In a well designed system, which one of the following is not a system requirement ?	Completeness	Economical	Reliable	Secure	2
807	System Analysis is conducted with the following objective(s) in mind:	Identify the customer's need	Perform economic and technical analysis	Create a system definition for subsequent work	All of the above	4
808	Systems design	documents the user requirements	defines the architecture components, interfaces and other characteristics of the system	is carried out before the system analysis	defines the database to be used by the application	2
809	The difference between menu interface and question-answer dialogue is	In the former, the user uses a light pen, whereas in the latter, the user responds to questions	In the former, the user uses a light pen, whereas in the latter the user uses a mouse	The former is popular in restaurant computers whereas the latter is popular in police department.	In the former, the user has to choose from a given list of options, and in the latter the user has to answer questions put by the computer.	4
810	In a data flow diagram, processes are represented by	Open-ended rectangles	Squares	Named vectors	Circles or rounded	4

					-edge rectangles	
811	In terms of total software costs, maintenance costs appear to constitute about	5-20%	20-40%	40-80%	80-90%	2
812	During the analysis and design phase, the number of modules on which a programmer should focus at any one time is :	3-6 modules	No less than 10 modules	Only one module	Dependent on the overall size of the program	3
813	A criticism of the data flow approach to program design is	It is not a top-down design method	There is no assurance that different programmers will derive the same design for a problem	It leads to inefficient programs	It works best for online programs rather than batch programs	2
814	A Structure chart	shows the hierarchy of the system modules and the interfaces between them	shows the decision structure of the system	the order in which the functions are performed	All of the above	1
815	The primary difference between program testing and system testing is :	Program testing is more comprehensive than system testing	System testing focuses on testing the interfaces between programs where as program testing focuses on individual programs	System testing is concerned with testing all aspects of a system including job designs and reward system designs	Programmers have no involvement in system testing, whereas designers are involved in program testing	2
816	A black box model of a process tells the following:	the sequence of steps that the process consists of	Whether the process is sequential or iterative	how the output changes with changes in inputs, without giving other details about what the process consists of	whether the process has any physical elements.	3
817	Systems analysis	is an attempt to improve an existing system	describes how the computer programs work for a running system	studies the existing system in order to specify a new system based on user requirement	produces working programs which need to be tested	3
818	What is the major concern of input controls ? To....	monitor the implementation of a dieting plan	ensure that the volume of input to a program is of optimal size	check input data for accuracy and completeness	ensure security against unauthorized access	3
819	A desirable characteristic of a systems model is	that it should be rich in detail	that it should abstract the essence of real system	that it should be larger than real system in scale	its geometry should be more perfect than of the real system	2
820	A desirable way of avoiding resistance to change in introducing computer based MIS is to	appoint one autonomous individual as the in charge of implementation.	introduce strict reward and punishment system to ensure correct usage of the system	communicated in advance with all concerned and encourage their participation in bringing about changes.	adopt a matrix structure in the organisation	3
821	The function of an encoder in a communication system is to	convert messages from a source to signals that the communication channel can accept	spy on managers who are against new methods of communication.	decipher the memos written in a code.	develop new coding schemes	1
822	Strategy of an organization defines	how to interface with the government officials	the optimal way of performing machine loading tasks.	the set of goals and objectives to be pursued by the organization	the rules for interviewing candidates for important	3

					positions.	
823	System analysis is NOT	an attempt to improve an existing system	an effort in which requirements of a system are understood	establishing a computer network	an interdisciplinary approach to problem solving	3
824	In a Decision tree	the root is drawn on the left and is the starting point on the decision sequence	the branch, to be followed, depends on the conditions and decisions, to be made	the nodes represent the conditions with the right wise of tree listing the actions to be taken	all of the above	4
825	What is System Environment ?	Process of the existing system	Factors inside the system study that can affect system behavior	Factors outside the system study that can affect system behavior	Work flow in an organization	3
826	Heterogeneous Network is defined as	A computer network made up of different computers and software	A computer network made up of same computers and software	A computer network made up of different computers and same software	A computer network made up of same computers and different software	1
827	A computer network is termed as Homogeneous, when	A computer network made up of different computers and same software	Computer Network is made up of different computers and software	A computer network made up of same computers and different software	Computer Network is made up of the same computers and software	4
828	System Analysis is	A process to Change the existing system	A process followed to determine what the system does and what is required of it	A process followed to define the system	A process to find out the organizational hierarchy	2
829	Who is Systems Analyst	A person who analyzes the market trend	A person who promotes his organization in the market	A person who analyzes the way the system works and identifies its problems	A person whose responsibility is to see the smooth functioning of the organization	3
830	Management could be defined as	People responsible for organizing and allocation resources	People responsible for organizing resources	People responsible for allocation of resources	People managing the lower staff	1
831	Communication is	A talk between two persons	A talk between two or more persons	Interchange of information between machines	Interchange of information between people or/and machines	4
832	Bulletin Board	A space that stores complaints of employees of a cooperating group	A space that stores messages accessible to all members of a cooperating group	A space that stores the Current News	The main notice board of the a cooperating group	2
833	An open question is	A question that requires a direct answer	A question that requires the responder to consult some book before answering	A question that requires the responder to express a viewpoint	A question that follows up an earlier answer	3
834	What is Ethnography	An inside view of a system	Gathering information by observation	An outside view of a system	Gathering information by formal interview	2

835	Quality assurance could be defined as	A process to ensure the development of quality products	Checking that a particular product satisfies user requirements	Checking that a particular input has been converted correctly to an output	Option 2nd & 3rd are correct	1
836	A model that represents system data by entity and relationship sets is	Entity-relationship model	Entity	Relationship Set	Entity Set	1
837	Diagram that represents entities and relationships is known as	Flow Chart	Data Flow Diagram	Occurrence Diagram	None of the three options	3
838	An object that describes a set of objects with the same features	Program	Module	Class	Property	3
839	Accessing different object classes with the same message is	Class Instance	Specialization	Inheritance	Polymorphism	4
840	Object that can be customized for more than one application	Patterns	Skeleton object	Customization	Library	2
841	Record of all documents produced during system desing	Project Dictionary	System Directory	Documentation configuration	None of the three options	1
842	Space and facilities provided for a user on a screen	Workspace	Whiteboard	Board	Desktop	1
843	A set of alternative selections presented to the user in a window	Dialog Box	Menu	Workspace	Desktop	2
844	CASE stands for	Computer Assisted Simple Engineering	Classes Assisted Smooth Engineering	Computer Assisted Software Engineering	Company Assisted Software Engineering	3
845	A collection of modelling methods and conversion techniques that start with user requirements and produce a computer system	Descriptive Methodology	Demonstrative Methodology	Design Methodology	None of the three options	3
846	SAD stands for	Software Analysis & Debug	System Analysis & Debug	System Analysis & Design	Sample Analysis & Demo	3
847	Determining the broad objectives of the organization	Strategic Planning	Planning	Sorted Planning	Significant Planning	1
848	Changing an existing system is	Engineering	Reverse Engineering	Forward Engineering	Re-engineering	4
849	A person who examines a product to assure quality	Producer	Inspector	Moderator	Reader	2
850	An identifiable part of a system, for example computers, persons, documents and data records	System component	Productivity Tools	User Requirement	None of the three options	1
851	The set of components that can be changed during system design	System Boundary	Software Boundary	Specific Bounday	None of the three options	1
852	Computer-based information system	An information system that plans to use computers	An information system that teaches the usage of computers	An information system that uses computers	None of the three options	3
853	A set of databases managed independently but accessible in a unified way	Integrated Database	Federated database	Collective Database	On-line Database	2
854	A person who writes computer programs	Writer	User	Computer Operator	Programmer	4
855	Interchange of information between people or/and machines	Communication	Transaction	Telepathy	None of the three options	1
856	Autonomous Agent is	A person or system that makes its decisions depending of other systems	A person or system that makes its decisions independently of other systems.	A person or system that suggests improvements in the system	None of the three options	2

857	Cooperation where the participants refer to shared information at different times	In-house Cooperation	Asynchronous Cooperation	Synchronous Cooperation	None of the three options	2
858	The effect of a speech act on a hearer	Perlocutionary Act	Illocutionary Act	Conversation	Speech Act	1
859	What is Multimedia ?	Integrated storage of information in different media such as graphs, voice, video or alphanumeric data	A movie clip	A JAVA Program	Multimedia is Multiple Media	1
860	Critical Business Process	A set of steps used to achieve a business goal	The regular processing of an organization	A business process that is crucial to the survival of a business and supports the core business of the organization	A set of steps used to enhance the processes of the business	3
861	In the feasibility study of a proposed software project, the following is a relevant question that is analyzed:	What are the data elements to be exchanged by two different subroutines ?	What style is to be adopted for writing the user manual ?	How to formulate a query in SQL to answer a customer's question ?	What kind of technology is needed to implement the project ?	4
862	In the phase of systems requirements determination, analysts do the following:	Work closely with all concerned employees to develop a list of functions to be performed by the new system	Carry out testing at user's premises to see whether the user is satisfied	Design a network configuration	Use word processors to document the finished system	1
863	The Entity-Relation diagram	depicts how data is transformed as it moves through the system	depicts relationships between data objects	describes how the system behaves as a consequence of external events	represents the various modes of behavior of the system	2
864	Cost-benefit analysis is performed during the	Analysis phase	Feasibility study phase	Design phase	Implementation phase	2
865	What is the function of a report generator ? To.....	print out grade reports in a fixed format	help generate customized reports by allowing the user to choose from a wide range of report formatting options.	generate a log report at the end of execution	give a report of the errors during compilation	2
866	Where is a pay back method used ? In	clearing the dues of the sub-contractors in a software development project	re-paying the loans from public sector banks	analyzing the profitability of a project	developing a general ledger system	3
867	What is meant by phased implementation of a system ? To.....	introduce a new system gradually either by functions or by organizational units	procure resources in stages and then introduce the system at once	withdraw the existing system gradually	allow the new system and old system to run parallelly for sometime	3
868	In system design and development field what does spaghetti code mean ?	Program written in unstructured languages	Well structured by poorly documented code	Program without any GOTO statements	Program code that is confusing	3
869	A sequential access file is NOT a file	In which the last record is retrieved in the same time as the first record	In which a record cannot be accessed unless its predecessor records are accessed	usually stored on magnetic tape	in which to insert a record, a new copy of the file is created	2
870	An example of software that is commonly associated with office automation is:	Linear programming package	Word processing	Simulation languages	SAP R/3	2
871	A typical interaction structure in Structured English is	DO WHILE...END DO	IF-THEN-ELSE-END IF	STOP	BEGIN-END	1

872	A prototype is NOT	a working, small scale model of the real system	merely an idea on paper	meant to promote interaction between user and designer	supposed to replicate important feature of the system under consideration	2
873	The objective of the design phase of a systems analysis and design project is to	produce working programs which are still to be tested	produce details regarding input, output, programs and files that state how the requirements identified earlier will be met	populate data bases but not write programs	produce programs tested by the programming team	2
874	The most essential thing for implementing MIS is	Electronics Mail	Pentium System	Proper system and well defined procedure	None of these	3
875	In a DBMS two record types and their relationships are called:	schema	segment	set	database record	1
876	One of the following is NOT part of a DFD:	Bubble (Process)	Arrow (Flow)	Disk Storage	Store	3
877	The next major step before system design and after feasibility study is :	Analysis activity	Equipment selection activity	Implementation activity	None of these	1
878	Statement of changes in financial portion or statement of sources and issue bonds is called:	Cash flow system	Funds Flow Statement	Journal	None of these	2
879	An exception report pertaining to an edit runs lists:	all input entries whether they contain errors or not	correct entries only	inputs with errors only	None of these	2
880	In a hospital database system, the data relationship between the entity "Patient" and the entity "Ward" would be	one-to-one	one-to-many	many-to-one	many-to-many	4
881	Structured Programming involves:	functional modularization	localisation of errors	decentralised programming	all of these	4
882	Peer review is an aid to :	programming	quality assurance	feasibility	None of these	2
883	The First step in the SDLC is	Preliminary investigation and analysis	System design	Database design	None of these	1
884	System quality relates to its	Reliability	Efficiency	Maintainability	All of the three above	4
885	Loss of Data integrity implies that data is	Not suitable for running in an integrated environment	Inconsistent	Repeated	Outdated	2
886	A Zero level DFD describes	Overview of processes, inputs and outputs	The fully blown up System Design	That the System Design cannot be split further	None of these	1
887	Which one of the following is not an important characteristic of useful and effective information ?	Accuracy	Timeliness	Completeness	Economy	4
888	Select the most appropriate statement among the following.	Operational Managers make unstructured decisions	Middle level managers undertake long range planning	As the management level goes up the hierarchy, information becomes more and more summarized	None of these	3
889	System specifications are used to	Describe System flow	Avoid ambiguity	Give accurate picture of System	Present all these	2
890	Prototype is a	Mini-model of the existing system	Mini-model of the proposed system	Working model of the existing system	None of the above	2

891	Backup and recovery procedures are necessary to :	reorganise the disk	control the DBA	handle contingencies like files getting corrupt or become irretrievable	none of the these	3
892	Management is linked to Information by	decisions	data	both (a) and (b)	Neither (a) nor (b)	3
893	Prototyping is a suitable analysis technique for	Systems being designed for personnel not conversant with computers	Scientific applications where the requirements are well understood	Applications that create dynamic visual displays	All the above	1
894	Which of the following is not a major design consideration for a system	Response time required	Frequency of record updates	Availability of technically qualified personnel to carry out design and development	Data integrity constraints	3
895	The design of the user interface involves	Breaking up the logical design into screen layouts	Determining the ways in which users will interact with a system	The design of the data information flows	None of the above	2
896	Which of the following technical skills are essential for a systems analyst	Knowledge of the Java programming language	Knowledge of networking	Problem solving approach	Knowledge of operating systems	3
897	Errors and fraud in any computer system can be detected through	Usage of passwords	Network security	Audit trails	Well planned test files	3
898	The largest percentage of the total life cycle cost of software is	Design costs	Maintenance costs	Coding costs	Testing Costs	2
899	Corporate information:	brings healthy relationship between Employees and Employers	contains personal particulars	means information derived from weekly meetings	None of these	4
900	Corrective system maintenance means	Repairing processing of performance failures	Enhancing the performance of the system	Updating system documentation	Changing the program function at the user's request	1
901	The most important reason for failure of MIS is	Use of improper tools for Design	Non-involvement of end-users	Improper specification	None of the above	2
902	If a data dictionary is not include in the systems analysis and design of a software project, then the following task cannot be carried out	Over-all cost benefit analysis of the project	Cross-referencing and consistency checks of various data	Bench marking of equipment to be purchased	None of the above	2
903	The detailed study/investigation of the present system is frequently referred to as	System planning	System analysis	Feasibility Study	None of the above	2
904	In the implementation phase of SAD, following are included:	Parallel run	Sizing	Specification freeze	All of the above	4
905	The main advantage of normalized relations in relational DBMS is that they	are highly secure	do not suffer fro anomalies during delete and update operations	occupy minimal storage	all of the above	4
906	The Balance Sheet of a Company reflects	its status at any given point of time	its performance during the course of the year	Neither (a) or (b)	Both (a) and (b)	2
907	Digital Signature is used in	Floppy Disk marking	Programming	Data Communication	None of the above	3
908	Prototyping aims at	end user understanding and approval	program logic	planning of data flow organisation	None of these	1

909	The objective of the feasibility study phase is to	Design to user interface of the system	Finalise the requirements of the system	Evaluate the impact of the proposed changes on the are(s) in question	None of the above	3
910	During the implementation phase, the executive vice-president is primarily concerned with	planning	organizing	directing	controlling	4
911	The systems conversion technique of totally removing the existing system and immediately implementing the new system is called as	crash conversion	phased conversion	pilot conversion	parrallel run	1
912	An audit trial is	designd to permit tracing of any input record or process performed on a system, back	to its original sources	post-auditing the system after its implementation	test data used by the system auditor	1
913	Which of the following is not considerede as a tool at the system design phase?	piechart	data-flow diagram	decision table d	system flow chart	1
914	Main characteristic of "ring", In Data structure, is	First record points only to the last record	Last record points to the first record	Many records point to one record	Each record points to all other records	2
915	A pseudocode is	easy way to communicate the logic of a program, in English -like statements	a computer generated random number	a machine code	none of the above	2
916	During the maintenance phase	system requirements are established	system analysis is carried out	programs are tested	none of the above	4
917	The time lag, between the keying of the last character on the keyboard input and the appearance of the first output character on the screen, is known as	Key	System review	response time	batch processing	3
918	Which of the following a graphic representationof the modules in the System and the interconnection between them	Pie Chart	flow chart	Structural chart	system chart	3
919	Most of thecomputer software is composed of	algorithms	statements	mnemonics	symbols	1
920	In a computer program, the process of executing the same instructions over and over is called	Charting	Branching	looping circulating	hierarchi cal charting	2
921	What is the name of block diagram that outlines, step by step, how a computer program will work?	program flow chart	program layout	structured proggmming	logical planning	1
922	A Computer program which is easy to operate, can obe run by a relatively untrained user, recovers well from errors and uses prompts and other clear and non threatenng messages is called	documented program	user friendly program	well writtne program	easy program	2
923	Back-up procdure helps in	restoring the operation whenever there is a disk failure	restoring both application oand system software whenever there is disk corruption	Restoring the data files whenever there is a system, crach	all of the above	4
924	Looping is a fundamental technique ad is one of the most powerful tool of	programming	computign	analyzing	commanding	1
925	Who invented the GOTO instructions that tells a computer to jum backwards or forwards in its program	Charles Babbage	Ada Augusta Byron	JM Jackquard	grace Murry Hopper	2
926	The practice of holding apeer review during program construction to detecting any software errors is called	program structuring	debugging	structured walk bthrough	programm ing analysis	3
927	The use of simple test data to check a program of flowchart without using a computer is calld	documentation	dry run	spooling	system analysis	2

928	On the feasibility committee, department representatives serve as	direct users of the new system	liaison to their departments	ready sources of information	all of the above	4
929	A decision -Table is	a way of representing multiple conditions	a ways to get an accurate picture of the system	all of the above	A way of representing the information flow	1
930	Which of the following is not a factor in the failure of a system development project?	size of the company	inadequate user involvement	continuation of a project that should have been cancelled	failure of systems integration	1
931	A person who writes a program for running the hardware of a computer is called a	system analyst	system designer	data processor	programmer	4
932	In top down analysis and design	each succeeding phase is more detailed than the phase before it	Each succeeding phase is as detailed as the phase before it	each succeeding phase is less detailed than the phase before it	All of the above	1
933	A system investigation may result from	an analysis investigation	a scheduled systems reviewed	a manager's formal request	all of the above	4
934	An announcement of the MIS project is made to	appeal to the employees for cooperation	prevent strikes by organized factory workers	inform the marginally-productive employees that they should begin looking for new jobs	boost stock prices	1
935	Procedure development occurs within the	structured design phase	conversion phase	system building phase	maintenance	3
936	In Prototyping, the following are used	screen generators	input generators	application generators	all of the above	4
937	Which of the following represents processor activities methods, and procedures in a data flow diagram?	Datagram	actigram	feed back	flow chart	2
938	The "big picture" diagram of a system is the	block diagram	logic diagram	system flowchart	program flowchart	3
939	The outstanding invoice file should be stored on a hard disk Access Storage Device if	invoice data entry in one-line	payment recording is done in a batch mode	inquiries concerning payable are to be answered on line	last record points to the first record	3
940	Which of the following would not be a major deliverable of the structured systems analysis phase	data dictionaries	data flow diagrams	entity relationship diagrams	prototype model	4
941	A system design aid should primarily	help analyse both data and activities	help in documentation	general code	using a graphical user interface	1
942	The first step in systems development life cycle is	database design	system design	preliminary investigation and	analysis	3
943	Which of the following is not a factor in the failure of a systems development project?	inadequate user involvement	failure of systems integration	size of company	continuation of a project that should	3
944	During the system study, analysis determine manager's information needs by	conducting tours of a nearby computer center	asking questions	showing samples of computer reports	reaching short courses in programming languages	2
945	The first step of the system study project is to	define system performance criteria	describe information needs	staff for the study project	announce the study project	4
946	The packaged design includes all of the following except?	program flowcharts	system configuration	module descriptions	all of the above	4

947	Certain software packages allow computer user to prepare a variety of charts for analysis and presentation purpose. What are these software packages called?	integrated packages	Graphics packages	Spreadsheets	applications	2
948	Which of the following system implementation approaches should be used if you want to run the old system and the new system at the same time for a specified period?	Direct	pilot	phased	parallel	4
949	Which of the following does not occur in phase 4 of the SDLC?	acquire hardware and software	train users	conduct interviews	test the new system	3
950	In phase 1 of the SDLC, which of the following aspects are usually analysed?	pitfalls	omissions (transactions)	controls	all of the above	4
951	Which of the following is done in order to gather data in phase 1 of the SDLC?	conducting interviews	observing operations	using questionnaires to conduct surveys	all of the above	4
952	Procedure development occurs within the phase	structured-design	system building	conversion	maintenance	2
953	Which of the following is not an advantage of the structured approach to system development?	the system specification is very graphic	the documentation is cumulative	the user area is studied thoroughly	it focuses on the physical aspects of the system	4
954	The document listing all procedures and regulations that generally govern an organisation is the	personal policy book	organisation manual	administrative policy manual	procedures log	2
955	Statistical analysis packages have much in common with	Design packages	Presentation packages	Spreadsheet packages	Paint packages	3
956	Samples of the data written on a tape or disk file may be recorded in a report form described as a	printer spacing form	softcopy ledger	manager's run report	prooflisting	4
957	What is the type of the processing package which is used for creating viewing, editing, storing retrieving and printing test material	Spreadsheet	word processor	text processor	word processor	2
958	What is the purpose of using reverse video feature in menu driven programs	To highlight a menu prompt	To improve visibility	To enhance contrast	to make it user friendly	4
959	A display listing of program options which users can select is called	Menu	selection	options	icons	1
960	For which of the following computer application is real time processing not essential?	Guided missile control	intensive care monitoring	Traffic control	Patient record	4
961	Over the last thirty years, software labour cost has and hardware costs have	increased/decreased	decreased/decreased	increased/stayed approximately the same	decreased/stayed approximately the same	1
962	Which of the following is not a characteristic of a system	Operates for some purpose	has homogeneous components	has interacting components	operates within a boundary	2
963	A trunk package includes	software	hardware	training	all of the above	4
964	Window are especially helpful for	Search and replace operations	cut and paste operations	Moving text between files	none of the above	2
965	The "communication Problem" involves the	analyst and the programmer	the programmer and the computer	the manager and the analyst	the operator and the computer	3
966	In flowcharting a computer program, symbols are used for indicating certain steps. Can you tell for what purpose the diamond shaped symbol is used	decision making	input/output	processing	Action flow	1
967	What are the advantages of using prewritten software packages?	saves time and cost	eliminates program writing	eliminates program testing	all of the above	1

968	The process of identifying and correcting mistakes in a computer program is referred to as	debugging	desk checking	validation	verification	1
969	In computer programming, the most important part of problem solving is	formulating an algorithm	making flow diagrams	making a flowchart	defining the problems	4
970	What is the primary requisite of a good computer programmer?	mathematical background	scientific knowledge	artistic mind	logical mind	4
971	Because of the small vocabulary of most computer language, programming is more like puzzle-solving than studying another language. Most of the computer programming has nothing much to do with	Mathematics	logical thinking	clear understanding	scientific background	1
972	Desk checking is involved with	coding the program	debugging the program	running the program	compiling the program	2
973	The compiler diagnostic message identifying	syntactical errors	logic errors	both a and b	Neither a nor b	1
974	The programmer codes the program	using a coding sheet	at a terminal	both a and b	neither a nor b	3
975	Which of the following affect the extent to which you are involved with the SLDC in your company?	size of the organisation	your job description	your relevant experience	all of the above	4
976	The combination of the top-down and the bottom-up approach may be referred to as an:	interactive approach	interpretive approach	integrative approach	none of the above	3
977	Which of the following is not a phase in the SLDC?	analyse current system	devine the latest technology	design new system	develop and implement new system	2
978	The analyst learns of the manager's information needs through use of	mail survey	in depth interview	controlled experiment	observation	2
979	Management's decision to rent a computer system may be based upon	tax advantages	desire to avoid a large one time payment	operational flexibility in changing hardware	all of the above	4
980	A consideration evaluated by management when planning to convert to a computer system is	CPU size and speed	Available software	Maintenance	All of the above	4
981	The systems conversion technique of totally remaining the existing system and immediately implementing the new system is called	crash conversion	phased conversion	pilot conversion	parallel run	1
982	The first items defined for a new system are its	inputs	processing requirements	output	file formats	3
983	One of the steps in computer programming is flowcharting which uses symbols for various actions to be performed by the computer. What symbol is used for processing.	Parallelogram	rectangle	diamond	arrow	2
984	The system study project includes	system analysis	system design	both a and b	neither a nor b	3
985	Which of the following decides which systems development projects to work on first?	project dictionary	systems flowcharts	data diagram	steering committee	4
986	Announcement of MIS implementation is made by	the president	tactical level managers	operational level managers	all of the above	4
987	The combination of the top-down and the bottom-up approach may be referred to as an:	interactive approach	interpretive approach	integrative approach	none of the above	3
988	Some firms have created a combination position, called	analyst/programmer	manager/analyst	programmer/operator	manager/operator	1

989	The person communicating with the manager to identify information needs is the	executive vice-president	vice-president of information systems	programmer	systems analyst	4
990	The fields composing a file's record format which will be stored on tape are detailed on a:	multiple card layout form	tape spacing chart	record layout form	all of the above	3
991	A programmer would most likely prepare a	general system flowchart	specific system flowchart	general program flowchart	specific program flowchart	4
992	Which of the following is not a phase in the SDLC?	analyze current system	define the latest technology	design new system	develop and implement new system	2
993	Which of the following is not a factor in the failure of a systems development project?	size of the company	inadequate user involvement	continuation of a project that should have been cancelled	failure of systems integration	1
994	Which of the following affects the extent to which you're involved with the SDLC in your company?	size of the organization	your job description	your relevant experience	all the above	4
995	Which of the following systems implementation approaches should be used if you want to run the old system and the new system at the same time for a specified period?	direct	pilot	phased	parallel	4
996	Which of the following might be output as a result of using a CASE tool?	prototypes	cost/benefit analysis	programming code	all of the above	4
997	The longer method of conversion is	direct	Parallel	phased	pilot	3
998	The structure chart is:	a document of what has to be accomplished	a hierarchical partitioning of the program	a statement of information-processing requirements	all of the above	2
999	Which of the following is not a requirement of structured design?	It should use many GO TO statements	The code should be executed in a top-to-bottom fashion within each module.	It should be made up of a hierarchy of modules	Each module should be as independent as possible of all other modules, except its parent	1
1000	The primary tool used in structured design is a:	data-flow diagram	module	structure chart	program flowchart	3
1001	Structured design produces computer programs that are:	easily maintained	easily understood	tested in a bottom-up fashion	a and b only	4
1002	The initiation of a systems investigation may result from:	a manager's formal request	an analyst's investigation	a scheduled system's review	all of the above	4
1003	Which of the following is used when a company goes outside its organization to develop a new system?	project dictionary	request for proposal	systems flowchart	data flow diagram	2
1004	SQL svr					
1005	How to distinguish table in a self join?	Alias	defaults	columns	table	1
1006	In the tables that store data on customers. Some rows of customer require 3 columns of address and some rows require two columns. The columns of address data are all varchar(50) datatype. How to use T-SQL to create a table that permits more characteristics	Create a column as Null	Create a column that has a minimum length of zero.	Create a column that has a default value of zero.	allow variable no. of columns for different rows	1
1007	Triggers are created for data integrity and operate at	table level	column level	row level	none	1

1008	You are working with an application that contains customer table and sales items table, most of the traffic in sales items involves searching customer records and there are 100 to 10000 rows per record. Although a high number of rows are often in	clustered index with high fillfactor	clustered index with low fillfactor	Non clustered index with high fill factor	Non clustered index with low fill factor	4
1009	How would you see all the records 30 days before today's date.	dateadd (dd,-30,getdate ())	datediff (dd,30,getdate())	dateadd (dd,getdate(),-30)	Not possible	1
1010	Where are systems procedures stored	Master database	model database	temp database	MSDB	1
1011	The optimizer hint can be specified in	select	where	from	order by	3
1012	The user wants to find out all those, which had some sales. The sql command given is: Select title_id from titles Where title_id=(select title_id from sales) The above sql is	outstanding	adequate	seems to be ok will not work	It is wrong and will not work	4
1013	The sql executive service schedule is supported by	Master	model	tempdb	MSDB	4
1014	What shall be included to take advantage of OLE	Properties and methods of SQL DMO	Extended stored proc calls	n/w libraries	call level API	1
1015	Collection point for all public data is	distribution server	publishing server	subscription server	SQL server	1
1016	To ensure an update in place	the table should be marked for replication	the table should participate in a clustered index	the table should have fixed column width	the timestamp datatype should be used	3
1017	To list all the books starting with 'computers' Select * from titles Where name = %computer%	will meet the requirements and is an outstanding solution	will meet the requirements and is an adequate solution	will meet the requirements and is not a desirable solution	will not meet the requirement and will not work	3
1018	What is DMO (Distributed Management Object)	It is an API which help in developing applications for other operating systems.	It is server side API used to develop applications using C++ and MS VisualBasic	Functions, objects used to develop applications for administrative function	Used to develop applications like MS Excel and MS Access to access data from sql-server.	3
1019	How does SQL server manage data storage?	It requests necessary storage from the operating system in 10MB increments.	It uses up to 16MB that is preallocated. Additional space must be allocated by the administrator.	It uses preallocated space in devices.	It requests space from the operating system each time data is written to disk	3
1020	Before changes are made to a SQL Server database, they are first written to	The Transaction Log	The Registry	Memory	The Device	1
1021	There is a table called cust_order existing. At the end of every month, the sum of order qty will be added into a table called cust_summary. So what is the relationship between cust_order and cust_summary.	One-to-Many	One-to-One	Many-to-Many	Many-to-One	4
1022	If a table is dropped, which is not getting dropped automatically?	Index	Constraints	Rule	Triggers	3
1023	How will you view the name of the current user and database	Select @@USERNA ME, @@DBNAME	Select user_name(), db_name()	Select USER_ID, DB_ID	None of the above	2
1024	asp.NET					
1025	Display the list of ROLES created by users	select * from user_roles	select * from roles	select * from user-roles	select * from tab	1

1026	Step(s) for creating clusters	creating cluster	createing cluster table	creating cluster index	all of these	4
1027	How Many Indexes are there	0	1	2	none of these	3
1028	Maximum length of all the cluster columns combined is :	237	238	239	240	3
1029	The command used to make changees to permanent:	COMMIT	ROLLBACK	GRANT	REVOKE	1
1030	The command used to discard part or all work the user has done in current transaction	COMMIT	ROLLBACK	GRANT	REVOKE	2
1031	The statement used to discard or commit all the changes upto a point	COMMIT	ROLLBACK	SAVEPOINTS	none of these	3
1032	Which one is not the section of the PL/SQL program	Declaration section	Execution section	Error section	Exception Handling section	3
1033	%rowtype is used	provide a record type that represents a row in the table	access datatype of the specified column	declare specified data type to a variable	all of these	1
1034	Which operator have the higher precedence	**	+	LIKE	OR	1
1035	EXIT WHEN	alterative	iterative	used in loops	none of these	3
1036	SELECT statement in PL/SQL must return	five records	four records	three records	one records	4
1037	Which clause used with SELECT statement to store values from the table into variables	GOTO clause	INTO clause	UPTO clause	none of these	2
1038	Which command is used to compile and execute the PL/SQL program	RUN filename	@filename	&filename	SQL filename	2
1039	Command used to print on the screen	PRINT	WRITE	dbms_output.put_line()	DISPLAY	3
1040	variable declaration is done in :	declaration section	execution section	exception handling section	none of these	1
1041	Which on is not acomposite datatype:	record	table	varray	string	4
1042	Which variable attribute is used to define a column type variable	%rowtype	%type	%columnntype	all of these	2
1043	Private SQL area to execute SQL statements and store information	Table	Record	View	Cursor	4
1044	Which clause excluded in cursor	OPEN	CLOSE	FETCH	EXECUTE	4
1045	Run time error are known as:	Exception	syntax error	grammetical error	non of these	1
1046	Cursor not supported by	VB	JAVA	c	all of these	4
1047	Which one is not predefined exception	NO_DATA_FOUND	TOO_MANY_ROWS	STORAGE_ER ROR	OTHERS	4
1048	In PL/SQL a function returns	one value	all values	non value	none of theses	1
1049	Which argument mode lets the user to pass the value to called subprogram.	OUT	IN OUT	IN	all of these	3
1050	Which one is not the part of trigger	Trigger Event	Trigger method	Trigger action	Trigger constrait	2
1051	Which part is optional	Trigger Event	Trigger action	Trigger constrait	none of these	3

1052	Which one of the following is the correct SQL command to retrieve all of the data from an Excel worksheet named Invoices?	. SELECT Invoices FROM Excel	SELECT Worksheet FROM Invoices	. SELECT * FROM Invoices\$	. SELECT * FROM Excel WHERE Worksheet=Inv oic es	4
1053	can a trigger be defined as a stored procedure,if so , how, in what way it is different from a stored procedure	yes, it is special kind of stored procedure, but it need not be called explicitly	. Trigger can never be a stored procedure	Triggers are to be called explicitly as we call stored procedures	none of these	1
1054	What happens when you invoke the Close method of a SqlConnection object?	. The connection will be returned to the pool	. The connection will be terminated and its resources cleared	The connection will be maintained until the application invokes the Open method again	none	1
1055	Maximum number of columns allowed in a View is	24	512	128	1024	4
1056	What is a delegate?	A strongly typed function pointer	A light weight thread or process that can call a single method	A reference to an object in a different process	. An inter-process message channel	1
1057	Which of the following operations can you NOT perform on an ADO.NET DataSet?	. A DataSet can be synchronised with the database.	A DataSet can be synchronised with a RecordSet	A DataSet can be converted to XML	You can infer the schema from a DataSet	2
1058	Which one of the following controls does not uses the imagelist?	. Slider	Toolbar	Tabstrip	Treeview	2
1059	What is the purpose of code-behind?	To discard the use of HTML	To separate different sections of a page into different files according to function	To separate the layout HTML and the code into two different files	To merge layout HTML and the code into one file	3
1060	Which DataTable property returns all rows and columns from a DataTable?	TableView	ViewAll	DefaultView	ReturnTable	3
1061	which is the base class for all HTML controls?	System.Web.UI.Html	System.Web.HtmlControl	System.Web.UI.HtmlControl	. System.Web.Controls	3
1062	What does the "Volatile" modifier do?	The value of the object is written immediately on assignment.	The value is lost after the system reads it.	. The system stored the value until the end of all current threads.	The system always reads the current value of a volatile object at the point it is requested.	4
1063	What is not the part of .NET Platform	CLR	CTS	CDS	CLS	3
1064	SOAP stands for?	Simple Object Access Protocol	Simple Object Act Protocol	Simple Object Accept Protocol	Simple Object Across Protocol	1
1065	What does WSDL stand for?	Web Services Description Language.	Web Services Describ Language.	Web Sercular Description Language.	Web Servay Description Language.	1
1066	How many Nesting Levels are allowed in Triggers	12	24	32	none	3
1067	What are the roles of SQL?	. DML (Data manipulation Language)	DDL (Data Defination Language)	DAL (Data administration Language)	All the above	4

1068	What is Structured query language?	Standard language for Data manipulation	English Query Language	English like query language designed by IBM to do data manipulation	none	3
1069	How many clustered indexes can be created on a table?	0	1	2	none of all	2
1070	How many non-clustered indexes can be created on a table?	2	8	249	512	3
1071	What data types do the RangeValidator control support?	Integer	String	Date	All of these	4
1072	How to display the structure of the Table in SQL Server?	. sp_TableName	. sp_help TableName	sturct TableName	structure TableName	2
1073	SQL Server Comments are ?	<< and --	. -- and /* ... */	. -- and //	// and /* ... */	2
1074	In C# multiline comments are implemented by	. // Data //	<-- Data -->	/* Data */	---data---	3
1075	In ASP.NET, which two properties are present on every validation control	. ControlToValidate & Type properties	Type & ErrorMessage properties	. ControlToValidate & Operator properties	ControlToValidate & ErrorMessage properties	4
1076	@@identity, @@error and @@rowcount are	Global variables	Scalar functions	. Maintained by the server constantly	All the above	4
1077	Null Value is an Empty Value	ture	false	none	0	2
1078	Numeric data type is functionally equivalent to Deciaml data type	True	False	not relevant	Blank	1
1079	The maximum number of Columns per base Table	1024	512	128	32	1
1080	The maximum number of Columns per index ...	10	16	32	64	2
1081	The maximum number of column per INSERT Statement..	10	128	256	1024	4
1082	The maximum number of column per SELECT Statement ..	256	1024	4096	no limit	3
1083	The maximum number of Table per SELECT Statement ...	256	128	1024	4096	1
1084	The maximum number of Foreign Key table references per Table	256	253	128	1024	2
1085	The maximum number of Rows per Table ...	4TB	2,147,483,647	. Limited by available storage	1048516 TB	3
1086	We can specify data types when we create a DataColumn for a DataTable in a Dataset.	. True	False	it depends on the type	none	1
1087	What are all the types of Sql Server database file ?	. Primay File (.mdf) , Secondary File (.ldf) and ldf files (.ldf)	Primay File (.mdf) , Secondary File (.ldf) and ldf files (.ldf)	Primay File (.mdf) , Secondary File (.ldf) and ldf files (.ldf)	none of these	1
1088	To associate an event handler with an event, What statement should be used?	. the WithEvents statement and the Handles clause	. the AddHandler statement	the WithEvents statement and the Associates clause	either A or C	1
1089	What are the Three types of database file?	.ndf file, .bdf file, .dlf file	.mdf file, .ndf file, .ldf file	) .sdf file, .pdf file, .ldf file	.mdf file, .cdf file, .log file	2

1090	Bit data can be null in sql server 2000.	True	False	Don't Know	else	1
1091	What's the difference between a primary key and a unique key?	primary key creates a clustered index on the column	. unique creates a nonclustered index by default	. BOTH 1 & 2	. None of the above	3
1092	How to find and delete duplicate records from a table?	. SELECT columnname, count(*) FROM dbo.tablename GROUP BY columnname HAVING count(*) > 1	SELECT count(*) FROM dbo.tablename GROUP BY columnname HAVING count(*) > 1	. SELECT columnname, count(*) FROM dbo.tablename GROUP BY columnname HAVING count (columnname) >= 1	None of the Above	1
1093	Which Command deletes all the rows in a table, but does not log the deletion of each row?	DELETE TABLE	. TRUNCATE TABLE	ALTER TABLE	None Above.	2
1094	What is the difference between 'UNION' and 'UNION ALL' operators	Both are similar	only UNION is available in SQL , UNION ALL keyword is not there.	. UNION will give only distinct records, but union all will give all the records from both the tables	UNION will not take null values, UNION ALL will include null values also	3
1095	What is the process of copying/moving data between databases on the same or different servers known as?	. Duplication.	Serialization	. Replication	. None Above	3
1096	How many primary key(s) in an relation	one	two	four	six	1
1097	Number of columns in an relation known as :	cardinality of relation	degree of relation	width of relation	height of relation	2
1098	Which normal form restrict atomic values in relation	1NF	2NF	3NF	5NF	1
1099	DBA means	Database architecture	Database Administrator	Database Analyser	All of these	2
1100	Number of rows in the rows in a relation known as:	cardinality of relation	degree of relation	height of relation	none of these	1
1101	Which one not the feature of RDBMS	Data Independence	Data Security	Data Integrity	Encapsulation	4
1102	SQL means:	Structural Query Language	Sequential Query Language	Serial Query Language	Selected Query Language	1
1103	Which one is not DML:	select	insert	create table	update	3
1104	Which one is DCL:	Rollback	delete	drop table	none of these	1
1105	SQL is:	non-procedural language	Procedural Language	Object Oriented Language	All of these	1
1106	Long data type can store	4GB	5GB	2GB	3GB	3
1107	Fixed length character data can be stored in:	VARCHAR2()	CHAR()	VARCHAR()	LONG	2
1108	HAVING clause in SELECT statement is used to	restrict the column of table	restrict the rows of grouped result	restrict the rows of ungrouped table	none of these	2
1109	ORDER BY clause in SELECT statement is used for:	sorting	selection	projection	all of these	1
1110	What will be the output of query "select * from emp;"	Display * on the screen	Display Name of employees only	Display all the record of emp table	none of these	3
1111	DISTINCT clause is used to:	all records	only one record	unique records	selected records	3

1112	Which one is not aggregate function	SUM	CHECK	MAX	AVG	2
1113	Which clause is used to restrict the groups?	WHERE	ORDER BY	GROUP BY	HAVING	4
1114	Which clause use at lowest level in SELECT statement	GROUP BY	HAVING	WHERE	ORDER BY	4
1115	ROLLUP used in SELECT statement	restrict column	restrict rows	calculate multiple levels of subtotals	calculate average	3
1116	Which command is used to provide privilege to different user	REVOKE	GRANT	RECALL	PROVIDE	2
1117	Which data model describes how the data is actually stored?	internal model	external model	conceptual model	all of these	1
1118	Which one is not a set operator	UNION	MINUS	ADD	INTERSECT	3
1119	Two tables are joined together using equality of values in one or more columns, with	Self join	Cartesian join	Equi join	Outer join	3
1120	Which clause used to merge the outputs of two or more queries into single set of rows and columns	UNION	MINUS	INTERSECT	none of these	1
1121	'%' represents a sequence(s):	one character	zero character	zero or more character	one or more character	3
1122	System date function in oracle	DATE	SYSDATE	SDATE	SYSTEMDATE	2
1123	Which condition is not true in case of inner query	The inner query must be enclosed in parentheses.	The inner query may not have an order by clause	The inner query must have use groupby clause	all of these	3
1124	An Operator which check the existence of values	SOME	ALL	LIKE	EXISTS	4
1125	The function finds the smallest integer greater than or equal to n	FLOOR(n)	EXP(n)	CEIL(n)	ABS(n)	3
1126	The output of SIGN(n) if n is negative	0	-1	1	none of these	2
1127	The function which capitalizes the first character of each word in string	UPPER(string)	INSTR(string)	ASC(string)	INITCAP(string)	4
1128	The function removes all blank spaces from the left of string	LPAD	LTRIM	RTRIM	RPAD	2
1129	Output of NEXT_DAY(date,day) is :	next day of the given date	Last day of the month	last day of the year	date of next specified day of the week	4
1130	Which one of the following do you use to retrieve a user's color selection?	. oDialog.Color.Name	oDialog.RGB	oDialog.Color	oDialog.Text	1
1131	Which one of the following pairs of form properties can be set of changed using the window shown above?	Width and Height	Top and Height	Top and Left	Width and Left	1
1132	How do you determine the position of the currently selected item in a ComboBox called ComboBox1?	ComboBox1.SelectedItem	ComboBox1.ListItem	ComboBox1.Selected	ComboBox1.Index	1
1133	Which one of the following properties contains the name of the directory in a FileList named File1?	File1.ItemData	File1.Path	File1.FileName	File1.Text	1
1134	What is the purpose of the ImageList control?	An ImageList control is used to find and list all image files in the specified path	An ImageList control is used to list all images stored in other controls	An ImageList control is used to provide the user with one image from the list	An ImageList control is used to store images for use by other control	1

1135	For which of the following is the BackStyle of the Lable control used?	It controls the transparency of the Label control	The Lable control does not have a BackStyle	It allows you to specify the pattern used to fill the Label control	It controls the color of the Label background	1
1136	Which one of the following controls does not ues the imagelist?	Toolbar	Slider	Tabstrip	Listview	1
1137	Which of the following operations can you NOT perform on an ADO.NET DataSet?	A DataSet can be synchronised with the database.	A DataSet can be synchronised with a RecordSet.	A DataSet can be converted to XML.	You can infer the schema from a DataSet	2
1138	In the NUnit test framework, which attribute must adorn a test class in order for it to be picked up by the NUnit GUI?	TestAttribute	TestClassAttribute	TestFixtureAttribute	NUnitTestClassAttribute	3
1139	What compiler switch creates an xml file from the xml comments in the files in an assembly?	/text	/doc	/xml	/help	2
1140	What is boxing?	Encapsulating an object in a value type.	Encapsulating a copy of an object in a value type	Encapsulating a value type in an object	Encapsulating a copy of a value type in an object	4
1141	If a method is marked as protected internal who can access it?	Classes that are both in the same assembly and derived from the declaring class.	Only methods that are in the same class as the method in question.	Internal methods can be only be called using reflection	Classes within the same assembly, and classes derived from the declaring class.	4
1142	How do you debug in-process components?	Set the debug property of the component to true	Set the Enable property of the component to true	Load a Test project & the component Project into a project group	Load a Test project in one instance of VB & the component Project in another instance	3
1143	You are designing n-tier architecture application with four layers.Which layer should handle security issues send back to the user interface?	DataBase	Data Objects	Client objects	Bussiness Objects	4
1144	What is the function of Response.End?	it will stop the server process	it will stop the client process	or both	or none	1
1145	In Web Application the class "WebForm1" inherits from	System.Web.Page	System.Page.Web.WebForm	System.Web.UI.WebForm	System.Web.UI.Pa ge	4
1146	In the Web Service the class 'Service1' inherits from	System.WebService s.S ervice	System.WebServices .WebService	System.Web.Se rvices.WebServi ce	System.Web.S ervi ces.Service	3
1147	How to identify memory spaces in ArrayList?	FindMemory	MemorySpace	Capacity	ArrayMemory	3
1148	DOT.NET offers two types of Data Adapters: SqlDataAdapter and OleDbDataAdapter. You are connecting to a SQL Server 2000 database and you choose to use the SqlDataAdapter.	The OleDbDataAdapter is older technology kept in for backward compatibility.	The OleDbDataAdapter is a sockets-based adapter for databases that are not specific to the machine.	The OleDbDataAdap ter is mainly designed for older, less efficient MS Access databases.	As SqlDataAdapter does not have to go through an OLE DB layer,it is faster than the OleDbDataAda pter	4
1149	which of the following are/is value type datatypes of C#?	String	Object	Struct	1 & 2	3
1150	Which of these tasks requires you to use imperative security rather than declarative security?	Refusing dangerous permissions such as Registry permission	Ensuring that your application has access to an environment variable whose name is not known until runtime	Ensuring that your application has access to a specific file whose name is known at design time	Ensuring that your application has access to a Jet database as a specific user.	2
1151	How many clustered indexes can be created in table?	249	250	one	any number	3

1152	XmlSerializer class is used for	Remoting	Web Services	Xml Documentary Files	Both	2
1153	How many Non-Clustered indexes can be created?	only 1	248	246	249	4
1154	How to display the structure of the Table in SQL Server?	sp_TableName	sp_help TableName	sturct TableNam e	structur e TableNa me	2