P.G. MSC COMP. SCIENCE

1.	Processor of all computers, wheather Mic	ro, Mini or Mainframe must have
	(A) ALU	(B) Primary Storage
	(C) Control unit	(D) All of the above
2.	How many address lines are needed to address memory chip?	
	(A) 10	(B) 11
	(C) 8	(D) 12
	(E) None of the above	
	e englega so becard mas sitt mobile	a ni shieli guzeonomo na intiW. U .
3.	Memory Unit is one part of	Real (A) (A)
- P. P.	(A) Input Device	(B) Control Unit
	(C) Output Device	(D) Central Processing Unit
4.	Which major development led to the produ	·
	(A) Magnetic disks	(B) Logic gates
	(C) Floppy disks	(D) Integrated circuits
5.	Branch Instructions are used to	g por teglegor bequire y 2000 it the first
	(A) Manipulate numeric data	(B) Logic data
	(C) Transfer control	(D) Manage data
	rought and most infly to prove at the outper	of membranes from sparagal site of
6.	1 :1	e de la film tal
ğ.	(A) Segmentation ASIG (41)	(B) Paging
	(C) None of these	(D) All of these
(d);		
7.	Pipeline processing uses the technique of	Control structed (1000) in the Maria
	(A) Sharing the memory	(B) Bit slicing
	(C) Prefetching	(D) Parallel processing
	(1)	(Turn Over)

8.	Demorgan's first theorem says that NOR gate is equivalent to a bubbled gate.					
	(A) AND	(B) XAND	(C) XOR	(D) NOR		
9.	A half-adder add	sbits.		Room of Allers Superior		
	(A) 16	(B) 8	(C) 10	(D) 2		
10.	. How many memo	ory locations can 14 ad	dress bits access?			
	(A) 16,384	(B) 8,192 -	(C) 4,096	(D) 14		
11.	Which of the foll	owing fields in a stude	ent file can be used as	a primary key?		
	(A) Class		(B) Social secu	rity Number		
	(C) GPA	Chenny Difference	(D) Major			
12.	A data dictionary	doesn't provide inform	nation about :	1.5 6 . 316		
	(C) How the data	ne disk storage device	*			
13.	Data items group	ed together for storage	purpose are called a	A Total of March		
	(A) Record	(B) Title	(C) List	(D) String		
14.	The language use referred to as the	d application progran	nms to request data	from the DBMS is		
	(A) DML	diniseli (a)	(B) DDL	Salar ye William		
	(C) Query Langua	ge.	(D) None of the	above		
15.	Data security thre	ats include	, 213 digu i dise selat masa			
	(A) Hardware fail		(B) Fraudulent	nanipulation of data		
	(C) All of the abo	v e 	(D) None of the	above		
		(2)	(Continued)		

16. Data Encryption techniques are par	ticularly useful for
(A) Reducing storage space require	ements
(B) Improving data integrity	THE REPORT OF
(C) Protecting data in data commun	nication systems
(D) All of the above	and the latest the property of the second se
17. Large collection of files are called	enter things the same to the s
(A) Data bank	(B) Database
(C) Data file	(D) Data record
	epresented by a
(A) Rectangle	(B) Ellipse
(C) Diamond box	(D) Circle
19. A logical schima	y described in House 20.
0 765 6	PROPERTY CONTROL OF THE PROPERTY OF THE
	formation into accessible parts
(C) describes how data is actually st	ored in disk
(D) None of the above	gradu alis to smold (43)
20. A functional dependency of the form	$x \rightarrow y$ is trivial if,
(A) $Y \subseteq X$	(B) $Y \subset X$
(C) $X \subseteq Y$	(D) $X \subset Y \& Y \subset X$
	alogue control and token management are
(A) Session layer (A)	(B) Network layer
(C) Transport layer	(D) Datalink layer
	(Turn Over)

22. In OSI network architecture, the routing	g is performed by
(A) Network layer	(B) Data link layer
(C) Transport layer	(D) None of the above
23. Which data communication method is communication link?	used to transmit the data over a serial
(A) Simplex (B) Half duplex	(C) Full duplex (D) (B) & (C)
24. Modulation is the process of	
(A) a file from one computer to anothe	r computer
(B) converting digital signal to analog	
(C) echoing every character that is rece	ived
(D) None of the above	
25. A hub in network is	estant Car al. (§)
(A) a multi-port signal repeater or cond	centrator
(B) a multi-plug is like a device to allow	w many computers to be connected
(C) the central power supply	and place of a major series with a configuration
(D) None of the above	
26. In computer Network the following app	lications are becoming very popular:
(A) Hierarchical Applications	(B) Centralized Applications
(C) Client/Server Applications	(D) Stand-alone Application
27. To connect a computer with a device in	the same room, you might be likely to use
(A) a coaxial cable	(B) a dedicated line
(C) a ground station	(D) All of the above

28. The slowest transmission speeds	are those of
(A) Twisted pair wire	(B) Co-axial cable
(C) Fiber optic cable	(D) Microwaves
20 Wil-1-64 CH : TOPE	
services?	protocols is used for remote terminal connection
(A) RARP (B) FTP	(C) TFTP (D) TELENET
30. The frequency range: 300 kHz to	3 MHz is used for
(A) AM radio transmission(C) TV transmission	(B) FM radio transmission(D) None of the above
31. Main () is an example of	
(A) Library function	(B) User-defind function
(C) header	(D) None of the above
32. A variable that holds the memory	address of another object is called a
(A) Integer	(B) Pointer
(C) Constant	(D) Memory Variable
33. A variable can be declared static	by using the keyboard which is
(A) External	(B) Static
(C) Register	(D) None of the above
34. The Malloc () function	
(A) returns a pointer to the alloca	nted memory
(B) returns a pointer to the first	byte of region of memory
(C) deallocates the memory	and the silver drawning the control of the silver
(D) None of the above	
	이동, 얼마나 '이 되어난다' 전에 가는 사람들이 얼굴하면 하면 하면 하다면 한 것이 되었다면 하다면 하다면 하는데 하다면 하다.

35.	The logical bit-wise operator is		
	(A) bit wise AND (&) (C) bit wise OR (1)	(B) bit wise XOR (\square) (D) None of the above	ve
36.	The array definition int marks [10] [5] defin	es an array of	
	(A) 5 tables, 10 rows	(B) 10 columns, 5 rd	
	(C) 10 rows, 15 tables	(D) 10 rows, 5 column	ms
37.	Which is the output of the following progra	m ?	
	# include < stdio.h> # include <math.h> main()</math.h>		
	{	a seim en	
	double answer; answer = sqrt (100.0); print ("%d", answer); }		
	(A) 10 (B) 3.99	(C) 24	(D) 1
38.	If $p = 5$ and $q = 6$ then the following express	ssion $p < q$	togue of
	(A) is true	(B) is false	To extense.
	(C) is one	(D) None of the abo	ve
39.	The outcome of a false statement is;		narate a es
	(A) zero (B) wrong	(C) negative	(D) one
40.	A function prototype is		
	 (A) a pre-defined function (B) a function which contains several return (C) a function which gives information about (D) None of the above 	out the function	

41.	The string HELLO WORLI needs			
	(A) 11 bytes	(B) 12 bytes	(C) 10 bytes	(D) 8 bytes
42.	The memory address	of the first element	of an array is called	
	(A) Floor address		(B) Foundation ad	ldress
	(C) First address		(D) Base address	
43.	Which of the follow	ing data structure is	not linear data structu	re?
	(A) Arrays		(B) Linked list	* William State 1978
15	(C) Both (A) & (B)		(D) None of these	3
44.	Queue is a1	ist	use our livestide, who	
	(A) LIFO	(B) LILO	(C) FILO	(D) FIFO
45.	The data structure re	quired for breadth fi	rst traversal on a grap	h is;
			(C) Array	
			ey are inserted as follo	
1	7, 8, 1, 4, 13, 20, 2	, 6 & 5	the top of the condi	10.000
	How many elements	are present in the re	oot of the tree?	
	(A) 1	(B) 2	(C) 3	(D) 4
47.	Binary search tree is	an example of	i myngean, morto, seni iow, et rangsonie, goda	
	(A) Divide & conque		(B) Greedy algori	
	(C) Back tracking		(D) Dynamic prog	raming
		(7)		(Turn Over)

48.	The smallest no. of keys	that will force a B-	Tree of order 3 to ha	ve a height 3 is
	(A) 12 (C) 7		(B) 10 (D) None of these	
49.	The data structure requir	ed to evaluate a pos	st-fix expression is;	
	(A) Queue (I	3) Stack	(C) Array	(D) Linked list
50.	Which of the following i	s useful in impleme	enting heap sort?	
	(A) Stack (I	3) Set	(C) List	(D) Queue
51.	A processor	l engares o cont o habit	tage sign under h	in to dail of the
	(A) is a device which per memory	rforms sequence of	operation specified by	y instructions in
	(B) a device where infor	rmation stored		: 4
	(C) is a sequence of inst	tructions	tidle.	
	(D) None of the above	#1 (D)		1-01(5)
52.	Assembler is	hera fataerë difer	Ama walanaya <mark>mazan</mark>	overage of the
•	(A) a program that place	s programs into mer	nory and prepares the	m for execution
	(B) a program which aut	omates the translation	on of assembly langua	ge into machine
	(C) a program that appe	ars to execute a sou	rce program if it were	M/C language
	(D) None of the above	of oil to the bearing	race let are corresponde	7)
53	. A loader is		100	
	(A) a program that place (B) a program which auto	es program into men	neory and prepare ther	n for execution
	(B) a program which aut(C) assign address to all(D) None of the above	statement in the pro	assembly language into	OM/C language

54. In an absolute loading scheme, which loassembler?	pader function(s) is accomplished by
(A) Allocation	(B) Linking
(C) Reallocation	(D) None of these
55. The function(s) of scheduler is	
(A) It selects which ready process is to be	run
(B) It specifies the time slice	
(C) Both (A) & (B)	
(D) None of the above	
56. The primary job of the O.S of a computer	is to;
(A) Command resources	(B) Manage resources
(C) Provide utilities	(D) None of the above
	tall i gelas proceeded del tra é d'un i d'A
57. Moving process from main memory to dis	k is called
(A) Scheduling (B) Caching	(C) Swapping (D) Spooling
	surple of vicinity in the
58. Special S/W to create a job queue is called	da
(A) Drive	(B) Spooler
(C) Interpreter	(D) None of the above
59. Thraching	
(A) is a natural consequences of virtual n	nemory.
(B) can always be avoided by swapping	and the second was the second
(C) can be caused by poor paging algorith	nms
(D) None of the above	

60.	Block	or	buffer	caches	are	used
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- (A) To improve disk performance
- (B) To handle interrupts
- (C) To speed up main memory
- (D) None of the above

61. A Deadlock

- (A) works well in many small partitions
- (B) allows many programs
- (C) does not work with overloading
- (D) a situation can arise which all the processes want resources for request, use and release

62. Real Time systems are

- (A) primarily used on mainframe computers
- (B) used for monitoring events as they occur
- (C) used for program analysis
- (D) None of the above

63. Which of the following refer to the Associative memory?

- (A) The address of data is generated by the CPU
- (B) The address of data is supplied by the users
- (C) There is no need for an address i.e the data is used as an address
- (D) None of the above

64. The Access time on a disk pack is equal to

(A) Seek Time

(B) Rotational delay

(C) Data Transfer time

(D) All of the above

65. Bugs are;

- (A) Clinical mistakes and error that occurs in a programme
- (B) Caused by loosed connection
- (C) Both (A) & (B)
- (D) None of the above

(10)

Series.	[2] - 1일 : [2] - 12 :	
66.	Software Engg. primarily aims on	
	(A) Reliable S/W	(B) Cost effective S/W
	(C) Both (A) & (B)	(D) None of the above
67.	Product which satisfy	
	(A) Deliverables	
	(B) User expectations	
	(C) Organization effort in the development	
	(D) None of the above	
68.	Which is not a product metric?	
	(A) Size	(B) Reliability
	(C) Productivity	(D) Functionality
9		
69.	UML stands for	
	(A) Uniform Modeling Language	
	(B) Unified Modeling Language	to see and the complete of
- 4	(C) Unit Modeling Language	
	(D) Universal Modeling Language	
70.	Proto-typing is used to	
	(A) Test the S/W as an end product	
	(B) Expand design details	
	(C) Establish requirements gathering	
	(D) None of the above	paggiggara akungkari di bisa
	(B) I tone of the above	
71.	. Which one of these are not S/W maintenance	e activity?
	(A) Error connection	(B) Adaptation
	(C) Implementation of enhancement	(D) Establishing scope
4	anger and the second of the second	
	(11)	(Turn Over)

72. CASE tool is

- (A) Computer aided S/W Engg.
- (B) Component aided S/W Engg.
- (C) Constructive aided S/W Engg.
- (D) Computer analysis S/W Engg.

73. Context diagram explains

- (A) the overview of the system
- (B) the internal view of the system
- (C) the entities of the system
- (D) None of the above

74. DFD stands for

- (A) Data Flow design
- (B) Descriptive function design
- (C) Data Flow Diagram
- (D) None of the above

75. In a object oriented S/W design, inheritance is a kind of

(A) Relationship

(B) Module

(C) Testing

(D) Optimization

76. S/W quality is

- (A) Conformance to requirements
- (B) Fitness for the purpose
- (C) Level of satisfaction
- (D) All of the above

(12)

(Continued)

77.	During validation

- (A) Processed is checked
- (B) Product is checked
- (C) Develope's performance is evaluated
- (D) The customer checks the product

78. Verification is

- (A) Checking the product with respect to customer's expectations
- (B) Checking the product with respect to specifications
- (C) Checking the product with respect to constraints of the project
- (D) None of the above

79. Design phase is followed by;

- (A) Coding
- (B) Debugging
- (C) Testing
- (D) Maintenance

80. The first step in systems development life cycle is

- (A) Data base design
- (B) GUI
- (C) System design
- (D) Preliminary investigation and analysis

81. Back-up and recovery procedures are primarily implemented to

- (A) Handle the contingency when a file gets corrupted
- (B) To provide data redundancy
- (C) To show different versions
- (D) None of the above

82. Error can be found by "outsider" during

(A) Structured walkthrough

(B) Best testing

(C) Alpha testing

(D) Debugger

(13)

(Turn Over)

83. S/W testing is done to		
(A) connect a error	(B) show the absence of defect	
(C) find an error	(D) None of the above	
84. System speficications are used to		
(A) get an accurate picture of the system	n	
(B) describe system flows		
(C) avoids ambiguity		
(D) All of the above	All the second s	
0.5 m	And the first that the	
85. Top management is more interested in	The same of the same of the	
(A) day to day operations	(B) tactical decisions	
(C) strategies decisions	(D) None of the above	
86. A trunkey package includes	enteres and the second of the	
80. A trunkey package includes		
(A) S/W	(B) H/W (D) All of the above	
(C) Training	(D) All of the above	
87. Structured design produces computer pr	norammes that are.	
(A) easily analyzed		
(C) easily understood	(D) Both (A) & (B)	
88. The conditions immediately outside a sy	ystem is called	
	the state of the part of the part of the state of the sta	
(A) the boundary (C) the environment	(B) the interface	
(C) the environment	(D) the protocols	
89. Black box testing method includes;		
(A) Boundary value analysis	(B) Basic path testing	
(C) Code validation analysis	(D) None of the above	
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· (Continued)

Which of the following tools is not used	for process descriptions?	
(A) Pseudocodes	(B) Decision Tables	
(C) Structured English	(D) Data dictionaries	
The process of building new classes from	existing one is called	
(A) Polymorphism	(B) Structure	
(C) Inheritance	(D) Cascading	
Constructors are called when		
(A) a method is declared	(B) a class is declared	
(C) an object is declared	(D) None of the above	
Function overloading in C++ is		
(A) a group function with same name		
(B) all have same numbers and type of arg	guments	
(C) Functions with same name and same r	numbers	
(D) None of the above	and the real ample, PA	
In C++ a function contains in class called	as	
(A) method	(B) a member function	
(C) a class function	(D) None of the above	
Usually, a pure virtual function		
(A) has complete function body		
(B) will never be called		
(C) will be called only to delete an object		
(D) is defined only in derived class		
(D) is defined only in derived class		
	(C) Structured English The process of building new classes from (A) Polymorphism (C) Inheritance Constructors are called when (A) a method is declared (C) an object is declared Function overloading in C++ is (A) a group function with same name (B) all have same numbers and type of arg (C) Functions with same name and same r (D) None of the above In C++ a function contains in class called (A) method (C) a class function Usually, a pure virtual function (A) has complete function body	

96. If any array is declared as int a $[4] = \{3, 0, 1\}$	then values ass	signed to a [0] & a [4]
96. If any array is declared as int a $[4] = \{3, 0, 1\}$, 2}, then var	
will be		(D) 0, 4
(A) 3, 2 (B) 0, 2	(C) 3, 0	
	a fault mode of the	file is
97. If we create a file by "if stream" then the	letautt med	
(A) i o s : : out	(B) 108m	
(C) i o s :: app	(D) i o s : : bina	iry
	i- call	lad
98. The process of building new classes from	existing one is can	ieu
(A) Structure	(B) Inheritance	
(C) Polymorphism	(D) Template	
99. 'this' pointer	# 2 9 1 Ty	
(A) implicitly points to an object	a neuro el pare e e e e e e	and the second of
(B) can be explicitly used in a class	ing the design of the second	ar not the PET
(C) can be used to return an object		
(D) All of the above		The work Contra
100. A base class may also be called a	ander de la companya	
(A) Child class (C) Derived class	(B) Sub-class	
	(D) Parent class	S
	. 160	
		2 (2) 1 (2)