Combined Bank

Sonali & Janata Bank Officer (IT/ICT)-2019 Exam Taker: AUST

1.	Suppose a C progfloat data type?	gram has floating cons	tant 1.414, what's the	best way to conve	rt it as a		
	a) (float)1.414	b) float(1.414)	c) 1.414f or 1.414F	d) None of these	Ans. c		
≿s.E	Explanation: By default floating constant is of double data type. By suffixing it with f or F, it can be converted to float data type.						
2.	i. int var_9=1 Choose the corre	ct statement w.r.t abov	iii. int _=3	in C			
	a) Both i) and ii) a c. Both i) and iii) a		d) All of these		Ans. c		
æ.E	Cxplanation: Rules Consists only lette Starts only with an Keywords cannot	s for naming an identifers, digits and underscore alphabet or underscore be used. Keywords are a you like, first 31 characters.	e reserved.				
3.		er, which of the follow	ing operators can be	used to set and res	et a		
≽.F	particular bit respectively? a) and & b) && and c) & and d) and && Ans. a Explanation: Bitwise operator can be used to "set" a particular bit while bitwise operator & can be used to "reset" a particular bit. Please note that && and are logical operators which evaluate their operands to logical TRUE or FALSE. It should be noted that bitwise operator & can be used for checking a particular bit also i.e. whether a bit is set or not.						
4.		er which can take a val		ement if(x==0) x=1	l; else		
	x=0; is equivalen a) x=1+x	t to which of the follow b) x=1-x	$\begin{array}{l} \mathbf{ving?} \\ \mathbf{c)} \ \mathbf{x} = \mathbf{x} - 1 \end{array}$	d) x=1%x	Ans. b		
5.	The maximum non CPU's is—	umber of processes tha	t can be in ready stat	e in computer syst	em with		
≿s.E		b) n ² size of ready queue doe may have a large numbe			Ans. d		
6.	Which of the followa) Heap Sort	owing is not a stable so b) Quick Sort	orting algorithm in its c) Merge sort	typical implement d) Insertion sort	tation? Ans. b		

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æE				ort are not a stable sort, r Quicksort can operate i	
				perform the sorting.	n-place on an array,
7.				of available main mer	nory. Which
•	sorting techniqu		•		1101 y
	a) Heap sort	b) Insertion sort		ck sort d) Merg	e sort Ans. d
æE				sorting which uses mer	
	This can be done		C	C	
	1. Divide the data	into 10 groups ea	ach of size 100		
	2. Sort each group	and write them t	o disk.		
	3. Load 10 items	from each group i	nto main mem	ory.	
	4. Output the sma	llest item from the	e main memor	y to disk. Load the next	item from the
	group whose item				
	5. Loop step #4 u				
	The step 3-5 is ca	lled as merging te	chnique.		
8.				sort where the pivot is	
		is the worst case	complexity of	sorting n numbers usi	ng randomized
	quicksort?	1) 0(2)) 0(1) (1)	
	a) O(n)	b) O(n ²)	c) O(n		
B E				ime complexity as O(nI	
				the randomized function	n can pick the
	index of corner el	ement every time.	•		
9.	Consider the foll	owing recursive	function fun(x,y). What is the value	of fun(4,3)?
	int fun(int x, int y	•)			
	{				
	if(x==0)				
	return y;				
	return $fun(x-1,x+$	y)			
	}				
	a) 9	b) 10	c) 12	d)13	Ans. d
10	The everege num	nhar of kay comr	saricane dana	in a successful sequent	ial saarch in a list
10.	of length it is	inder of key comp	darisons done	iii a successiui sequeiii	iai seaich in a list
	a) log n	b) $(n+1)/2$	c) (n-1)/2 d) n/2	Ans. b
	,8	-) (): =	-) ()	
11.			ished executio	n but have not yet had	their status
	collected are kno				
	a) Sleeping proce	sses	b) Sto	pped processes	

d) Orphan processes

Explanation: Zombie process: By default, the UNIX system assumes that if child process terminates, the parent process collects some data about the child. As soon as this collection is made, the system releases information bits about the child process and removes its pid from the process table. However, if the parent process fails to collect the child's data, the

Ans.c

c) Zombie processes

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indefinitely. Such a terminated proc process, or simply a zombie	cess whose s	I termination data in the process table tatus is not collected is called a zombie
		ocesses. In this a parent process terminates rent PID" field in the child process's data
	c) inita s that need to command. Th	b d) init Ans. b be executed repeatedly (e.g., hourly, daily, e crontab command creates a crontab file
· ·		s scheduling a program to be executed at
	onsible for ex that which de	and time d) schedule Ans. b ecuting scheduled and recurring commands als with commands to be executed a single
a) Settle time b) Rotational dela Explanation: Seek time is time taken data to be accessed is stored.	ay c) Wai	ting time d) Seek time Ans. d
15. Which of the following programmi		
 a) C b) SQL 16. Which tool could be used for detection a) nmap b)metasploit Explanation: Metasploit has several mallowing us to test and verify whether 	c) bit on codules that of	bility through SQL injection? lefender d) UML Ans. b exploit SQL injection vulnerabilities,
17. Which of the following data struct		
a)Strings b) Lists Explanation:: Examples of non-linear List and Arrays are linear data struct		ks d) None of these Ans. d es are Graphs and Trees. However Linked
18. Which of the following is not a star a) PAS b) SDLC	ndard synch c) SLI	<u>-</u>
19. Which of the standard protocol for		
a) FTPb) SNA20. How many pairs of stations can sin	c) SNN nultaneously	· · · · · · · · · · · · · · · · · · ·
a) 1 b) 2 Explanation: only 1 pair of stations callocal area network. It is used for short	c)3 an communic	d) Multiple Ans. a

21. A path for carrying signals between a source and a destination is known as -

c) Link

d) Block

Ans. b

b) Channel

a) Router

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≽.E	a) COMPILE VIE xplanation: The A	command is used to W b) DEFINE VIE ALTER VIEW commowing requires the	W c) ÂLT nand allows	ER VIEW d you to modify) CREATE VIEW a view	Ans. c
23.	a) Requirement A			oyment	d) Design	Ans. d
24.	Which of the dec a) int length;	laration is correct? b) char int	c)int lo	ng;	d) float double;	Ans. a
26.	Which server can a) DHCP Server xplanation: DHC application layer p DHCP is controlled	b) Email Composir you use to dynami	cally assign c) DNS Dynamic Ho s for obtain nat dynamic	IP addresses Server ost Configurations network seally distributes	d) FTP Server ion Protocol. It is a etup information. The	Ans. a
27.	The operator that (a)++	t cannot be overloa b) ()	ded is (c) ~		d) ::	Ans. d
29.	a) *Vehicle0 b). An n*n armay v of the element of a) 0	owing is the destruction owing is the destruction of the control o	Vehicle(int v s: v[i, j]=i-j c) n²-3	alue) d)*Vehi for all i,j; 1<= n+2	=i <=n, 1 <=j <=n, t d) $n^2(n+1)/2$	he sum Ans. a
æ.E	a) 1 xplanation:: We d	b) 3 can find the number of tree = $\binom{2n}{C_n}$ / n+1 =			d) 4 = 3	Ans. c
	a) O(n)	nplexity of Huffman b) O(n log n) ime complexity of th	c) O(n			Ans.b
æ.E	a) 1.1.1.1 xplanation: A loo communication or applications. Data node without any	b) 255.255.255.255.255.255.255.255.255.255	c) 127.5 ppe of IP ad um on a locapback addration.	0.0.0 dress that is unal network cares are re-rout	d) 127.0.0.1 sed to test the d and/or for testing sed back to the orgin	nating
33.	function? a) Conversion ope	owing operator funderator b) new	ctions cann c) delet		d) all of these	er Ans. a
34.	,	owing is not an open b) sizeof	,		d) All of this	Ans. b

Explanation: There is no size of operator in Java. We generally don't need size of objects. 35. Find the output of following Java code line: System.out.println(math.floor(-7.4) a) -7 b) -7.4d) -7.2 Ans. c **Explanation: ★** public class FloorCeilTest { public static void main(String args[]) { double d1 = 84.6;double d2 = -7.4; System.out.println("Ceiling of '" + d1 + "' = " + Math.ceil(d1)); System.out.println("Floor of '" + d1 + "' = " + Math.floor(d1)); System.out.println("Ceiling of '" + d2 + "' = " + Math.ceil(d2)); System.out.println("Floor of '" + d2 + "' = " + Math.floor(d2));}} Output: Ceiling of '84.6' = 85.0Floor of '84.6' = 84.0Ceiling of '-7.4' = -7.0 Floor of '-7.4' = -8.036. Which functions overload the >> operator? d) None of this a) gt() b) more() Ans. d c) ge() **Explanation::** rshift() overloads the >> operator 37. What is the output of following code? Print 9//2 a) 4 b)4.0c)4.5d)Error Ans. b **Explanation:** The '//' operator in Python returns the integer part of the floating number. In python: 10/3=3.333 and 10//3=338. Which of these is not a core data type? b) Dictionary c) Class d) Tuples+95 a) Lists Ans. c **Explanation:** Class is a user defined data type. 39. Which of the following function converts a string into float in python? b) float(x) c) long(x[,base]) a) int(x[.base]) d) str(x) Ans. b Arr Explanation: float(x) – Converts x to a floating-point number 40. Which of the following process scheduling algorithm may lead to starvation? a) FIFO b) Round Robin c) Shortest Job Next d) None of these

shortest job next may lead to process starvation for processes which will require a long time

to complete if short processes are continually added

Explanation: ■

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1.		owing provides a prog	grammer with the fac	ility of using object	of a		
	class inside other		·) E	1) (A J		
. IP	a)Inheritance		c) Encapsulation	d) Composition	Ans:d		
BL		position is one of the fu			a i.a		
		escribes a class that ref		5	S III		
•		. This allows you to mo					
2.	V 1	which is designed for		0			
. IF	a)freeware	b) shareware	c) macros	d) none of these	Ans. a		
B L		vare is any copyrighted					
		d, installed, used and sh			e, as the		
	latter allows a user to modify source code for republishing or integration with						
•	other software.						
3.		ge in mixing SQL with	a general-purpose la	inguage is mismatch	iing in		
	the	. 1) 34 . 1	1.) [. 1) 0			
	a) Definition of da	nta b) Manipulation of o	data c) Execution of di	ata d) Output of data	Ans.b		
4	I £:1:4:	anning of all manada			. •		
4.	-	copying of all records	s onto a main store ir	om permanent store	e is		
	considered as	1.) 6.1.	.) 61.	1) 1 1 61 .	A		
. 10	a) delete file	b) rename file	c) save file	d) load file	Ans.d		
BL		gramming, load means	to copy data from mai	in memory into a data	a		
_	register.	C		aaah aawahla af ha			
5.		C network into a max		each capable of na	ving up		
		ibnet mask used shou		1) 255 255 255 70	A		
_		b) 255.255.255.192	c)255.255.255.240	d) 255.255.255.78	Ans.c		
6.		nsaction file have key			A		
_	,		c) many hours	d) many days	Ans.a		
7.		dvantage of IPV6 ove		CC			
	a)longer address b) Classification of traffic						
0	c) More real IP ad		d) Jumbo Payload	4.4.1	Ans.a		
8.		edence of arithmetic o					
	a)%,+,/,*,-	b)+,-,%,*,/	c)%,+,-,*,/	d)%,*,/,+,-	Ans.d		
Λ	0	•	1 COI	J. 4. J.4.bb	•		
9.		is set up, program car					
	a) SQLExcelConn	b) SQLDirect	c) SQLExcelDirect	d) SQIConnect	Ans.d		
10	File used to unde	te information in com	mutar's mastar fila is	alossified as			
10.	a) transaction file		c) order file	d) sequence file	Ans.a		
	a) transaction file	o) ancer me	c) order file	a) sequence me	All3.a		
11.	Testing of softwa	re with actual data an	nd in actual environm	ent is known as?			
	a) Regression testi	ing b) Beta testing	c) Alpha testing	d) None of these	Ans. b		

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S.E	xplanation:A be	ta test is a type of tes	ting period	for a computer	r product prior to any	y sort of
		fficial release. Beta te				
	normally involve	es distributing the pro	duct to <i>beta</i>	test sites and	individual users ("be	eta
	•	the company for real-			•	
12.	What are the va	alues of the following	g expression	ns:		
	2** (3**2), (2*	*3)**2, 2**3**2				
	a) 64, 512, 64		c) 512	, 512, 512	d) 512, 64, 512	Ans. d
S.E	xplanation:Expr	ession 1 is evaluated a	as: 2**9, wł	nich is equal to	512.Expression 2 is	5
	evaluated as 8**	2, which is equal to 6	4. The last	expression is e	evaluated as 2** (3**	*2). This
	is because the as	sociativity of ** oper	ator is from	right to left. I	Hence the result of the	e third
	expression is 512	2.				
13.	Special set of c	haracters that comp	uter associa	ates with spec	rific user identificat	ion is
	classified as	r				
	a) password	b)identity code	c) ina	irv code	d) dump code	Ans. a
1.1	/ 1	•	, 1	•	, 1	
14.		e output of the follow				
4 =	a)Error			hing		Ans. c
15.	·	put of the code show		,		-
	a)Error	b) 1 more spam			d) 1 more foods	
		e qty and food are sim			So print there value	•
16.		in 'BCD' code used			15 1 1 1	
4=	a) seven bits	b) twelve bits	, .	nteen bits	,	Ans. d
17.		of the Web server ye		ig to reach is	available or is dow	n, which
		itility should you use			1) 3.1	
10	a)PING	b) ICS	c) Teli		d) None of these	Ans.a
18.		onverts digital signal	is into soun	d and sound	trom telephone han	dset into
	digital signals is		,	1	1) 4 . 1 . 1	
		r b) analogue couple	er c) aco	ustic coupler	d) terminal couple	er Ans.c
ZS.E	xplanation:	1 1 1 1		11 1	(1 : 1 :	4
		upler is a hardware de				
10	-	log to digital and from	-			
19.		etwork provides acce		egionai servic	e providers and typ	icany
	•	greater than 100 mile		NI	J\ W/T A N!	A a
20	a) LAN		c) WA		d) WLAN	Ans.c
20.		onnection- oriented to b) IP				
~ F	a)TCP	,	c) UD		d) None of these	Еом
CALL.		smission Control Pro				
		nted communications,				
		Because they can kee		i conversation	, connection-oriented	J
21	•	netimes described as		u mobile e	lication visusing for	Cocala
41.		llowing type is not su	upportea 10	т шовие арр	ncation viewing for	Google
	docs?	b) Word process f	ilag a) D-4	oboso filos	d) All of these	Anaa
22		b) Word processor f		avase illes	d) All of these	Ans.c
ZZ.		and pop is related to			d) A 11 - £41	Ana b
	a)array	b)stacks	c)lists		d)All of these	Ans. b

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23.	Type of error which occurs when data is transferred from one device to another is	
	classified as	

- a) transmission error b) interval error c) software error d) discontinued error Ans. a
- 24. A Non-Functional Software testing done to check if the user interface is easy to use and understand
 - a) Security Testing b) Unit testing c) Block Box Testing d)Usability Testing Ans.d
- 25. A device that allows one of several analog or digital input signals which are to be selected and transmits input that is selected into a single medium is called
 - a) signal changer b)multiplexer c) demultiplexer d) digital transmitter Ans
- Explanation:: a multiplexer (or mux), also known as a data selector, is a device that selects between several analog or digital input signals and forwards it to a single output line. A multiplexer of inputs has select lines, which are used to select which input line to send to the output.
- 26. Which of the following medium is used for broadband local networks?
 - a) Coaxial b) Optic fiber c) CATV d)DUTP Ans. c
- **Explanation:** CATV is one of the most common methods of transmitted television signals to a consumer's home, using radio frequency signals transmitted through coaxial cable. More recently, CATV can also be transmitted using optical fiber, which utilizes pulses of light to transmit a signal.
- 27. Interleaving of records to form one file containing all records is classified as
 - a) merging b) finding c) file learning d) searching Ans. a
- 28. Program background, program functions and computing requirements are part of
 a) decision box
 b) statement box
 c) operations detail
 d)none of these
 Ans. a
- 29. Variable which use same name in whole program and in its all routines thus best classified as
 - a) middle variable b) default variable c) local variable d) global variable Ans.d
- **Explanation:** In computer programming, a **global variable** is a **variable** with **global** scope, meaning that it is visible (hence accessible) throughout the program, unless shadowed. The set of all **global variables** is known as the **global** environment or **global** state.

Example:

```
int a =4;
int b=5;
public int add() {
return a+b;}
```

- 30. The name of the testing which is done to make sure the existing features are not affected by new changes
- a) Recursive testing b) Regression testing c) Whitebox testing d) Unit testing Ans. b Explanation:

Regression Testing is defined as a type of software testing to confirm that a recent program or code change has not adversely affected existing features. Regression Testing is nothing but a full or partial selection of already executed test cases which are re-executed to ensure existing functionalities work fine. Wheather whitebox testing is tested by developer and unit testing is small portion testing.

- 31. Set of numbers used to check all groups record within limits of data is classified as
 - a) variable check b) decimal check
- c) type check
- d) range check

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32. Process of converting data	or information in the form	of which is readily avail	able for
processing is called		v	
a) encoding b) decodi	ing c) translating	d) data organization	Ans. a
33. All decimal values and inte	gers are included in set of	,	
a) whole numbers b) natura	l numbers c) real numbers	d) integers	Ans. b
34. Which of the following is no	ot a Software Development	Life Cycle Phase?	
a) Test Closure b) Coding	g c) Testing	d) None of these	Ans. a
Explanation: Test Closure is	a document that gives a s	summary of all the tests	conducted
during the software develop	oment life cycle, it also give	es a detailed analysis of	f the bugs
removed and errors found. In	n other words, Test Closure	is a memo that is prepare	ed prior to
formally completing the test	ing process.		
35. Any hardware or software	which is used to connect tw	o devices by enabling th	em to
communicate is classified a	S		
a) analogue modem b) digit	tal modem c) analogue inte	erface d) interface	Ans. d
36. Waterfall model phase in w	vhich system design is nren	ared and this system des	ion helns
in specifying system requir			ign neips
a) planning b) model		d) communication	Ans. b
, 1 6	• ,	,	
37. Language compilers and in	terpreters does not transia	te statements correctly v	vnen tney
have		4) 1	A
a) transcription error b) bas	, •	, .	Ans.c
38. Which of the following web	o service can be controlled l	by iAWSManager cloud	app from
an iPhone?			
a) EC2 b) ELB	c) SQS	d) All of these	Ans. d
39. Issuance of cash through te			
a) terminals b) interfaces	c) hardware devices	d) telecommunication	Ans. a
40. Five components that make	e up a data communication	s system are message, se	nder,
receiver, medium and			
· · · · · · · · · · · · · · · · · · ·	cting device c) protocol	d) All of these	Ans. c
Explanation: It is a digital lang			
Internet. Protocol meaning is			les at
both ends of the communicat	tions channel for the proper ϵ	exchange of information	
	tions chamies for the proper c	8	
<i>(111111111111111111111111111111111111</i>	mone channel for the proper c		
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Assista 1. Link list can be implemente	Probashi Kallyan I ant Programmer (MCQ Te Exam Taker: AUS ed using?	Bank est-20-09-2019) T	
1. Link list can be implemented a) Array b) Pointe	Probashi Kallyan I ant Programmer (MCQ Te Exam Taker: AUS ed using? c) Both A & E	Bank est-20-09-2019) T	Ans.b
1. Link list can be implemente a) Array b) Pointe	Probashi Kallyan I ant Programmer (MCQ Te Exam Taker: AUS ed using? c) Both A & E	Bank est-20-09-2019) T	Ans.b
1. Link list can be implemented a) Array b) Pointe	Probashi Kallyan I ant Programmer (MCQ Te Exam Taker: AUS ed using? c) Both A & E	Bank est-20-09-2019) T	Ans.b Ans.d
1. Link list can be implement a) Array b) Pointe 2. Which of the following is a	Probashi Kallyan I ant Programmer (MCQ Te Exam Taker: AUS ed using? ars c) Both A & B design pattern? c) Queue	Bank est-20-09-2019) T d) None of these d) All of these	

4.	Place where larg	ge amount of data ar	e stored outside centr	al processing unit is o	called
	a) peripherals	b) control unit	c) AL unit	d) backing store	Ans.d
æE	xplanation: The t	erm backing storage	refers to any non-volat	tile data storage that w	vill retair
	a computer's dat	ta, even after the com	puter is powered off. O	Common types of back	king
	storage devices a	are hard drives, SSD,	external hard disk drive	es, optical media such	as CD or
	DVD, and flash r	nedia such as thumb	drives and memory stic	ks.	
5.	Which of the fol	lowing programme	helps you to learn And	droid programming	
	a) C	b)SQL	c) Java	d) Python	Ans.c
6.			essage exchange form		
	a) JSON	b)XML	c)MX	d)HTML	Ans.a
7.	In C++,the idea		of how something is i		
	a)inheritance	b)encapsulation c)		d)polymorphism	Ans.b
8.	• 0	· ·	digital computer is cal		
	,	- / -	guage c)Binary languag	-	Ans.c
9.		lowing is a project s	cheduling method tha	t can be applied to so	ftware
	development?				
	a)PERT	b)CPM	c)Both A & B	d)CMM	Ans.c
æ E			view technique (PERT)	-	
	` /	· ·	hods that can be applied	•	
10.			Bangladesh and USA		
		· ·	in Bangladesh."-In wl		
	a)Satellite	b)Fiber optic	c)Twisted pair	d)Radio link	Ans.a
11.		oftware testing strat	egy starts with testing	the fundamental con	nponent
	first?				
	a) Top-down test	ing	b)Bottom-up testir	•	
	c) Stress testing		d)Back to back tes	C	
12.	•	0 0	a source and a destina		
	a)Router	b)Channel	c) Link	d) Block	Ans.b
13.			network management		
	a)SNMP	b)SNA	c)FTP	d)SMTP	Ans.a
14.		ommand is used to re		1) CDE ATE MEM	
	,		W c)ALTER VIEW	,	Ans.c
15.		U	lard synchronous com	_	
	a)SDLC	b)SNA	c)FTP	d)SMTP	Ans.c
16.		perator is used to ci		1) 3.1	
		b)scanf		d) None of these	Ans.d
		() is used to create an			
17.		<u> </u>	o the degree to which	data in a database sy	stem are
	accurate and co		\ D \ \ 1111	100.1	
10	a)Data integrity	b)Data security	c) Data validity	d)None of these	Ans.a
18.		of Bubble sort algor		1) 0(1)	
	a)O(n)	b)O(log n)	c) $O(n^2)$	d) O(n log n)	Ans.c
	<u>Kema</u>	uning all the question	ns are same as which is	s taken by AUST.	

Bangladesh Rural Electrification Board (BREB) Assistant Junior Engineer (IT)-2019

	V///////			//////////////////////////////////////	
1.	What is the modul	us of 3+4i?			
	a)7	b)2	c)5	d)none	Ans.c
2.		ncy (Hz) for a 4 pole ge	,	rpm?	
		b)60	c)40	d)none	
3.	তড়িচ চৌম্বক আবেশের জ		,	,	
	a) নিউটন	b)গালিলিও	c)ফারাডে	d)ম্যাক্স	
4.	Which one is a Wo	<i>'</i>	,		
	a)Google Chrome	b)Mozilla Firefox	c)Internet Explorer	d)All	Ans.d
5.	কারাগারের রোজনামচা গ্র		, 1	,	
	a) শেখ হাসিনা	b)শেখ মুজিবুর রাহমান	c)শের ই- বাংলা	d) কেহইনা	
6.		with appropriate preposit		,	it".
	a)in	b)of	c)with	d)for	
7.		kimate number of consum			
	a)2.50	b)2.40	c)2.70	d)None	
8.	*	nipolar Transistor?	,	,	
	a)PNP		c)JFET	d)None	
9.	Write the name of	the Gate.	,	,	
	a)NOR	b)OR	c)NAND	d)None	
10.	What is the past pa	articiple of "sing",			
	a)song	,	c)sung	d)singed	
11.	কোন বস্তুও লব্দি বল যে বি	বন্দু দিয়ে অতিক্রম করে তাকে ব	লে		
	a)ভারকেন্দ্র	b)ভরকে দ্র	c)বল কেন্দ্ৰ	d)কোনটা না	
12.	The step-by-step in	nstruction that solve a pr	roblem is called:		
	a)an algorithm			sequential structure	e Ans. a
13.	Which layer of OS	I determines the interfa-	ce of the system with t	he user?	
		b)Application	c)Data-link	d)Session	Ans. b
14.	What is the value	of sin 3690?			
	a) 0	b) 1	c)0.5	d) undefined	
15.		e that is capable of execu			as:
	a)CPU		c)CU	d)Processor	Ans.d
16.		of Form Factor of a sinu			
		b)0.636	c)1.73	d)1	
17.		parts of speech of "ferti			
	a)noun	/1			
18.		oltage Regulation of tran			
	a) 6%	b)20%	c)5%	d)0%	
19.		st component to environ		1) G .1 .1	
• •		b)CMOS batteries		d)Cathode ray tube	
20.		, ৫ টি সবুজ ও ৬ টি নিল কলম	আছে। ওহ থাল থেকে একটি ব	কলম নেয়া হলে উহা সবুজ	হওয়ার
	সম্ভাবনা কত?	1 > 6/4 =	\	4) 4 /2	
	a)4/15	b)6/15	c)1/5	d)1/3	

Clo	ud IT Solution		Page 12		MCQ
21.	What is the Addre	ss bit for an 8-bit M	ficroprocessor?		
	a)4	b)8	c)16	d)None	Ans.c
22.	বঙ্গবন্ধু ঐতিহাসিক ৬ দয	ণ কোন সালে ঘোষণা করে	ন ।		
	a)1996	b) 1968	c)1997	d)1970	
23.	What tool is used to	to test serial and pa	rallel ports?		
			c)loop backs (wrap plugs)	d)sniffer	
24.	What command is	used to remove file	es in UNUX?		
	a)dm	b)rm	c)delete	d)erase	Ans.b
25.	সেন্ট মারতিন কোন জেলা	য় অবসথিত?			
	a) ভোলা	b)পটুয়াখালী	c)কক্সবাজার	d)নোয়াখালী	
26.	Which one is the s	ynonym of "adult"	?		
	a)mature	b)child	c)immature	d)none	
27.	Which one can on	ly be used for read?	?		
	a)RAM	b)ROM	c)Both a & b	d)none	Ans.b
28.	Which motor is us	ed for constant spe-	ed?		
		b) Synchronous	c) Single phase	d) None	
29.	Which one is used	to close a running	document?		
	a)ctrl+W	b)ctrl+S	c)ctrl+A	d)none	
30.	What a battery is?				
		b)Voltage source		d)None	
31.	Which Format Spe				
	a)%f	b)%1f	c)%d	d)%s	Ans.b
32.	What type of mate	` ,			
	a)Conductor	b)Insulator	c)Semiconductor	d)Good conductor	Ans.c
33.	What is the radius				
	a)0	b)1	c)2	d)None	
34.	At what region a tr				
	a)Active	b)Cut off	c)Saturation	d)None	
35.	Which one is pure				
• -	a)C++	b)C+	c)JAVA	d)None	Ans.d
36.	Write the name of	the symbol.		4	

c)TRIAC

c)Resistor

c)SCR

c)রাউটার

c)8 bits

c)অর্ধ সরকারি

b)Light crystal display

d)SCR

d)All

d)None

d)গেটঅয়ে

d)বেসরকারি

d)16 bits

Ans.a

Ans.a

a)Op Amp

a)Capacitor

a)Zener diode

40. পলি বিদ্যুৎ সমিতি গুলো ?

41. A nibble is equal to:

a)সায়াত্তসাশিত

a) মডেম

a)4 bits

38. Write the name of the symbol

39. সিগন্যালের পারস্পারিক রূপান্ডও করে?

42. What is the full name of LCD?

a)Light control diode

b)DIAC

b)হাব

b)সরকারি

b)6 bits

37. What is to be added in an electric line to increase voltage?

b)Schottkey diode

b)Inductor

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	c)Liquid crystal diode	d)Liquid crysta	l display	Ans.b
43.	The OR, XOR & AND functions ca	-		
	a)ALU b)CU	c)Memory	d)Register	Ans.a
44.	What device separates a single netw	ork into two segments	but lets the two segment	s appear
	as one to higher protocols? a)Switch b)Bridge	c)Gateway	d)Router	
45	Which one is design language?	c)Gateway	diRodici	
15.	a)DDL b)DML	c)Both a & b	d)None	Ans.a
46.	একটি ওয়েব এক সাইকেল এ যে দূরত্ব অতিক্রম		,	
	a)Frequency b)Cycle	c) Wavelength	d) None	Ans.a
47.	What can greatly reduce TCP/IP con			
	a)WINS Server b)WINS Power	c)DHCP Server	r d)PDC	
	BPSC Netv	vork Enginee	r-2019	
	///	nm Taker: PSC		
	Exc	im raker. rse		
1.	Change the narration: He said to me	, "Thank you."		
	ক)He thanked me.	খ)He had thank	ed me.	
	গ)He told me that thank you.	ঘ)He wished th		
2.	He has recently partedhis wife.	,		
	ক)with খ)from	গ)to	ঘ)at	
3.	IP address থেকে MAC address আনার 1	protocol কোনটি?	•	
	ক)RIP খ)BGP	গ)ARP	ঘ)TCP	
4.	সার্ক কত সালে গঠিত হয় ?			
	ক)1982 খ)1985	গ)1986	ঘ)1988	
5.	You can park your car outside our h	ouse.Here 'outside' is	used as a/an	
	ক)preposition খ)adverb	গ)adjective	ঘ)conjunction	
6.	Intel 8086 মাইক্রো প্রসেসর কত বিট রেজিস	টার থাকে?		
	ক)4 খ)৪	গ)14	ঘ)16	Ans. d
7.	অতিশ দীপঙ্কও কোন দেশে বৌদ্ধ ধর্ম প্রচার করে	ন?		
	ক) তিবাত খ) শ্ৰীলয়া	গ) ভারত	ঘ) আফ্রিকা	
8.	192.168.1.100 এই IP address টি কোন	. = 1		
	ক)Class A খ)Class B	গ)Class C	ঘ)Class D	Ans. c
9.	Had I known in advance,Ienoug	-		
	ক)would take খ)took	গ)will take	ঘ)would have taken	
10.	LIFO data structure কোনটি ?	. —		
	ক)Queue খ)Stack	গ) File	ঘ) কোনটি নয়	Ans. b
11.	কোন device টি Broadcast traffic আটক			
	ক)Hub খ)Router	গ)Switch	ঘ)RJ45	
12.	The doorautomatically,	TT 1 1	_\TT 11	
	ক)Opened খ)Was opened গ)	Has been opened	ঘ)Had been opened	

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13.	START:MOV AX	K,BX একটি assembly lan	guage instruction এখানে	MOV হ'ল-	
	ক)লেবেল	খ)সোর্স	গ)Opcode	ঘ)ডেসটিনেশন	
14.	The number of stu	idents seeking admissio	n	,	
		খ) have been increase		ঘ)is increased	
15.		ংরক্ষণ করতে পাওে তা হ'ল-			
	ক)রেজিস্টার	খ)এনকোডার	গ)ডিকোডার	ঘ)ফ্লিপ-ফ্লপ	Ans. d
16.	নৃত্য-কলায় শিল্পকলা পদ	· ·	,	,	
	ক)রানী সরকার		গ)শুকলা সরকার	ঘ)জুনু খান	
17.	কোনটি দিয়ে Databas	se Table এ uniqueness নি		/ 11	
	ক)Primary Key	•	গ)Entity	ঘ)Relation	Ans. a
18.		aph represent করা যায়?	•	,	
	o Queue	খ)Stack	গ)Adjacency list	ঘ)Pointer	
19.	, -	ক IP-mapping করতে কোন	, ,	,	
	ক)HTTP	খ)SMTP	গ)DNS	ঘ)Telnet	Ans. c
20.	*	address রাখার জন্য কোনটি	,	,	
	ক) break		গ)char	ঘ)float	Ans. b
21.	/	nvironment কী ধরনের?	,,	.,======	
	_	₹)Fully observable	ช)Partially observabl	e ঘ)কোনটি নয়	
22.	The king lefthe	· •	·)1 willing cool (we)		
	of) the	খ)an	গ)a ঘ)no arti	cle needed	
23.	,	300 ₍₁₀₎			
	季)C3 ₍₁₅₎	খ)12C ₍₁₅₎	গ)C2 ₍₁₅₎	ঘ)A2C ₍₁₅₎	
24.	What kind of 'mo)(13)	7(13)	
		খ)Uncountable noun	গ)Collective noun ঘ)I	roper noun	
25.		ledia Acess করার জন্য কো		1	
	ক)CSMA/CD		Demand Priority	ঘ)Polling	
26.	*	sive form of 'I knew hin	•	, 8	
	ক)He is known wi		খ)He was known by i	ne	
	গ)He was known	to me	ঘ)He was known with		
27.	Binary Search Tre	ee এর Time complexity ব	· ·		
	季)O(n)	খ)O(nlog n)	গ)O(log;n)	ঘ)O(n²)	Ans. c
28.	কোনটি মুক্তিযুদ্ধ নির্ভর ব	, , ,	, (2,)	, ()	
		খ)অরুণোদয়ের অগ্নিসাক্ষী			
	গ)চরকাঁকড়ার ডকুমেন্টা		ঘ)পায়ের আওয়াজ পাওয়া যা	ग्न	
29.	শ্রীকৃষ্ণকীর্তনকাব্য'-র রচ	য়িতা কে?			
	ক)অনন্ত চন্ডীদাস	খ)বডু চন্ডীদাস	গ)দ্বিজ চন্ডীদাস	ঘ)দীন চন্ডীদাস	
30.	FTP protocol নিচে	া কোনটি ব্যবহার করে?			
	ক)IP	খ)TCP	গ)UDP	ঘ)SMTP	Ans. a,b
31.	Which of the follo	owing words can be use	d as both masculine and	feminine?	ŕ
	ক)actor	খ)gander	গ)spinster	ঘ)spouse	
32.	Congestion Contr	ol কোন layer-এ করা হয়?	_	_	
	ক)Physical	খ)Data link	গ)Network	ঘ)Transport	Ans.d
	-			•	

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33.	He always lags be	chind?Choose the cor	rect tag question:		
	ক)didn't he	খ)doesn't he	গ)did he	ঘ)won't he	
34.	বাংলাদেশের ই-পাসপোর	র্টে কত ধরণের নিরাপত্তা ফিচার	সংযুক্ত করা হয়েছে?		
	ক)8০	খ)৩৫	গ)৩৮	ঘ)৪১	
35.	Have you evert	o Rajbari?			
	ক)went	খ)gone	গ)been	ঘ)go	
36.	নিচের কোনটি Geneti	c algorithm এর একটি ope	erator?		
	ক)Mulation	খ)Population	গ)Gene	ঘ)Individual	Ans.b
37.	Virtually memory	[,] হিসেবে RAM এর পাশাপাশি	বোনটি ব্যবহার হয়?		
	ক)Cache	খ)CPU Register	গ)CD-ROM	ঘ)Hard link	Ans.d
38.	চাঁদে অভিযানকারী চতুর্থ	দৈশ কোনটি?			
	ক)চীন	খ)রশিয়া	গ)ইসরাইল	ঘ)ভারত	
39.	মীর মোশাররফ হোসেন	রচিত গ্রন্থ হচ্ছে-			
	ক)উদাসীন পথিকের মঞে		খ)সুচিরাম পুড়ের আত্মকথা	Ī	
	গ)হাঁসুলী বাঁকের উপকথ	া ঘ)ইতিহাসের পরের কথা			
40.	শুদ্ধ বানানে লেখা হয়েছে	হ কোনটি?			
	ক)লবণ	খ)পবণ	গ)ভবণ	ঘ)মগণ	
41.	C programming L	anguage এ কোনো loop ৎ		উল্লিখিত কোনটি ব্যবহৃত হ	য়ে?
	ক)break	খ)switch	গ)continue	ঘ)if	Ans.a
42.	What is the plural	form of 'it'?			
	ক)its	খ)it's	গ)they	ঘ)those	
43.	শ্বত:সিদ্ধভাবে 'ণ' বসেছে				
	ক)কারণ	খ)বারণ	গ)আপণ	ঘ)রাবণ	
44.		চিত কৌতুকরসের গ্রন্থ কোনটি?			
	ক)পরিব্রাজক	খ)লোকরহস্য	গ)নিভৃতচিন্তা	ঘ)রত্নরহস্য	
45.		স্থানটি আদি ঐতিহাসিক সময়ের	•	,5 .5 5 .	
	ক)ময়নামতি	খ)সোনারগাঁ	গ)চাকলাপুঞ্জি	ঘ)উয়ারী বটেশ্বর	
46.		n the word 'infancy' is?			
4.77	▼)common	খ)abstract	গ)material	ঘ)collective	
47.	-	ocol 4 Dijkstra Algorith		-\1CDD	
40	ক)ARP	খ)OSPF	গ)RIP	ঘ)IGRP	Ans.b
48.	উষ্ণতার একক কিভাবে		st\	/	
40	ক)মিটার	খ) অ্যাম্পিয়ার	গ)কেলভিন	ঘ)ফারেন হাইট	
49.		শীর্ষক ছোটগল্পের রচয়িতা কে?	গ)রবীন্দ্রনাথ ঠাকুর ঘ)	কাহান কাহিত্য কৰ	
50	,	খ)মানিক বন্দ্যোপাধ্যায়	/ /	হাসান আজিজুল হক	
30.	গণপ্রজাতন্ত্রা বাংলাদেনের ক)জাতীয় সংসদ	া সংবিধান প্রণয়নকারী প্রতিষ্ঠানে খ)জাতীয় পরিষদ	র শাম কা? গ)গণপরিষদ	ঘ)মন্ত্রীপরিষদ	
51	'স্পষ্ট'-র বিপরীতার্থক শ		1)19111999	ব)শত্রা শারবপ	
31.	ক)গ্রাহ্য	খ খেনিটেঃ খ)উহ্য	গ)সহ্য	ঘ)গুহ্য	
52	,	্ব)ভহা Z Band width এর কত স্তর	,	, , , , , , , , , , , , , , , , , , ,	ল
		Z Band width এর কভ জ্ঞ l এর Band width কত হবে:		idde modulation)	·= 1
<i>JJ</i> .	ক)300 HZ			ঘ)600HZ	
	*/300 11Z	খ)3KHZ	গ)6KHZ	7)00011Z	

Combined Bank

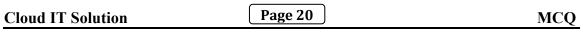
Senior Officer (IT/ICT)- MCQ Test-31-11-2018
Exam Taker: DU

1.	Which operator	is used to declare	the destructor in C++	?	
	a)#	b) ~	c) @	d) \$	Ans. b
2.	Which alternati	ve can replace the	throw statement in c+	-+?	
	a) for	b) break	c) return	d) exit	Ans. c
æE	xplanation: throv	v and return does the	e same job as return a v	value. So it can be repla	iced.
3.	What type of re	ference should be 1	ised in vector arithme	etic in C++?	
	a)Dynamic	b) const	c) a and b d) 1	none of the mentioned	Ans. b
æ.E	xplanation:As w	e are using the ve	ector and it will give	accurate result if we	use const
	reference.				
4.	Which of these	data types is use	d by operating system	m to manage the Re	cursion in
	Java?				
	a)Array	b) Stack	c) Queue	d) Tree	Ans.b
æ.E	xplanation: Recu	rsions are always m	anaged by using stack.		
5.	Which of the fol	lowing is an incori	ect statement about p	oackages?	
	a) Package define	es a namespace in w	hich classes are stored		
	b) A package car	contain other pack	ages within		
	c)Java uses file s	ystem directories to	store packages		
	d) A package car	be renamed withou	at renaming the directo	ry, in which the classes	are stored
		Ans. d			
6.	A derived class	inherits attributes	from a		
	a) Super Class	,	c) Inner Class	d)Upper Class	Ans.a
7.				which of the followin	
) Multithreading		s d) Private methods	Ans.a
to E			java is implemented us	ing interfaces. Multiple	interfaces
	can be implemen	•			
8.		_	ile, Debug and execut	• •	
	a) JVM	b) JDK	c) JIT	d) JRE	Ans. b
S.E	-	-		and provides all the too	ols,
			compile, debug and ex-		
9.		llowing statement	s is the negation of tl	he statements "4 is oc	ld or -9 is
	positive"?				
	a) 4 is even or -9	_	b) 4 is odd or -9 is	C	
	c) 4 is even and -	9 is negative	d) 4 is odd and -9	is not negative	Ans. c
æ.E	xplanation: Using	g De Morgan's Law	· ~(A V B) <-> ~A ∧ ~]	B.	
	•		` ′	10110", B is "111000	100"and C
10.	is"10100000"?	moning options is	samusic, ii 11 is 101	10110 9 10 11 11000	oo anu C
	a) C=A or B	b) C=~A	c) C=~B	d) C=A and B	Ans. d

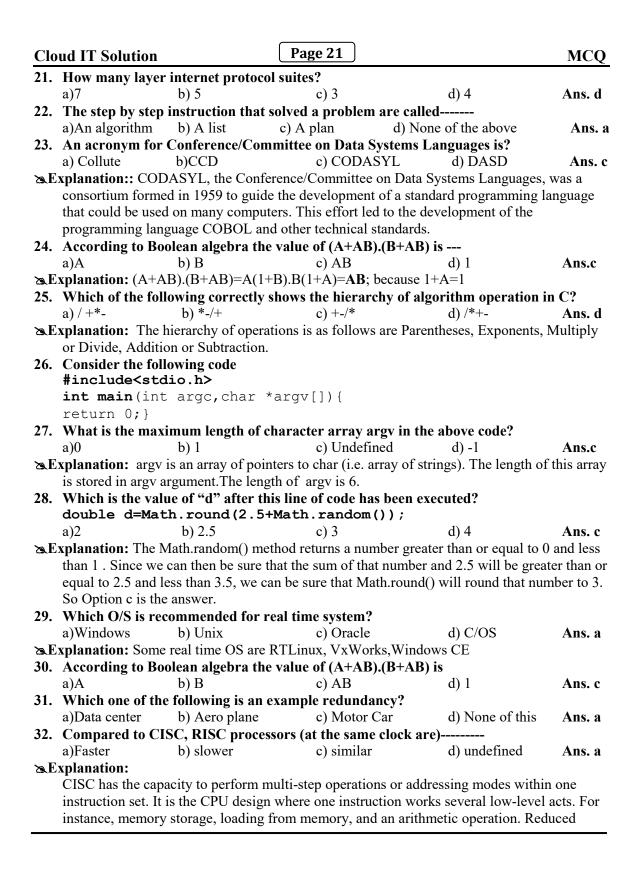
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æ E	xplanation: Output of and is 1 wher	both other inputs are o	one.	
11.	If $A=\{1,2,3\}$ and $B=\{1,2,5\}$ then	A-B=?		
	a){1} b) {5}	c) {3}	d) {2}	Ans. c
12.	If set $A=\{1,2\}$ and $C=\{3,4\}$, then A	xB(Cartesian produc	t of set A and B) is	
	a) $\{1,2,3,4\}$ b) $\{(1,3),(2,4)\}$	(1,3),(2,4),(1,4),(2,3)	$d) \{(3,1),(4,1)\}$	Ans.c
13.	If determinant of a matrix A is Ze	ero then		
	a) A is a Singular matrix			
	b) A is a non-Singular matrix			
	c) First and last rows of the matrix i	nust be same		
	d) First and last columns of the mat	rix must be same		Ans.a
14	The complexity of Binary search	algorithm is		
17.	a) O(n) b) O(log n)	c) $O(n^2)$	d) O(nlog n)	Ans.b
15	A non standard HTML extension	, , ,	, , ,	
15.	page is	ir that causes seroning	text to appear as par	i oi a vveb
	a) DHCP b) mask off	c) Dhrystone	d) marquee	Ans. d
> E	xplanation: This marquee causes the			
	disappears from the left, it reappear		usiy irom right to retu.	31100 10
16.	Object being passed to a copy con	•		
10.		b) Must be pas	sed by value	
	c) Must be passed with integer type			r list Ans.a
		ŕ		
17.	Why do we need to handle except			
	a) To prevent abnormal termination			
40	c)To avoid syntax errors	d)To save mem	•	Ans.a
18.	If same message is passed to ob	•	ent classes and all of	those can
	respond in a different way, what i		1) 011:	A
. ID	a) Inheritance b) Overloading	c) Polymorphis		Ans. c
B L	xplanation: The feature defined in o			e different
	objects are capable of responding to	the same message in c	interent ways, nence	
10	polymorphism.	aluda diffauant watuu	un tronce for constant	tawa ta ha
19.	Does constructor overloading in overloaded?	ciude different retui	in types for construc	tors to be
	a) Yes, if return types are different,	cionatura becomes diff	orant	
	b) Yes, because return types can different,	•		
	c) No, return type can't differentiate		3	
	d) No, constructors doesn't have any			Ans.d
>a F	xplanation: The constructors don't l		Then we can't have retur	
GL	a constructor, overloading based on			
	can be different.	the retain type is not p	ossible. Hence only par	ameters
20	2019 in Binary is			
40.	a) 0000011111100010	b) 0000001111	110011	
	c) 000001111110010	d) 000001111		Ans.d
21	An array contains the following	· ·		
_1.	variable, E=3. Color [E] points to		, =, =, =, =, =, = = = = = = = = = = =	or the
	a) E b) C	c) T	d) 1	Ans. b
	,	-, -	-, -	1 11100 10

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22.	How to access th	e overridden metho	d of base class from th	ne derived class?	
	a) Using arrow of	perator	b) Using dot opera	tor	
	c) Using scope re	solution operator	d) Can't be accessed	ed once overridden	Ans.b
23.		decimal value of			
	a) 252	b) 225	c) 226	d) 220	Ans. c
24.	When two varia	bles is logically com	pared, the logic gate t	hat tests the equivale	ence is
				•	
	a) XNOR	b) XOR	c) AND	d) NOR	Ans.a
25.	Which of the foll	lowing is not a malv	vare?	,	
	a) Virus	b) Worm	c) Bug	d) Trojan horse	Ans.c
æE	xplanation: Bug i	s the logical error of	a program. Virous, wor	m and Trojan horse ar	e
	malicious prograi			·	
26.	Dark data repre	sents	-		
	a) Unused data	b)Harmful data	c) Highlighted data	a d)Important data	Ans. a
27.	Source code is a	(an)	,	•	
	a) Program	,	b) List of comman	ds	
	c) Source of varia	ables	d) Explanation of	the algorithm	Ans. a
28.	Which of the foll	lowing defines the a	ddressing capabilities		
	a) OSL	b) NAT	c) TCP	d) UDP	Ans.b
æE	xplanation: Netwo	ork address translation	n (NAT) is a method of	remapping one IP add	lress
	space into anothe	r by modifying netwo	ork address information	in the IP header of pa	ckets
	while they are in	transit across a traffic	c routing device.		
29.	How many layer	s are there in the so	ftware part of networ	king framework?	
	a) Three	b) Sever	c) Four	d) Five	Ans. b
æE	xplanation:				
	Software layer:	Application, Presenta	tion, Session, Transpor	t and Network.	
	Hardware layer:	Datalink and physic	al.		
	Host layer: Appl	ication, Presentation,	Session, Transport.		
	Media layer: Ne	twork, Datalink and p	physical.		
30.	AR refers to whi	ich of the following	environment		
	a) Artificial Reali	ity	b) Augmented Rep	oort	
	c) Artificial Repo	rt	d) Augmented Rea	ılity	Ans.d
& E			s an interactive experier		
			l-world are augmented		
	A A		oss multiple sensory me	odalities, including vis	sual,
	auditory, haptic, s	somatosensory, and o	lfactory		
31.			which a computer sto	ores and retrieves d	ata from
	secondary storag	ge for use in main m	emory is		
	a)Paging	b)Scheduling	c)Batch processin		Ans.a
32.	U	·	at transfers and conn	ects the data between	en majoi
		de a computer is			
	a) Address Bus	b)Data Bus	c) System Bus	d) Control Bus	Ans. b
33.		nust also be			
	a) Foreign key	b) Unique	c) Identical	d) Case sensitive	Ans. B

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34.	USB stands for			
	a) Universal Serial Bus	b)Universal Serie	es Bus	
	c) Universal Serial Bits	c)Universal Seri		Ans.a
35.	Which of the following is the small			
	a) Zettabyte b) Gigabyte	c) Petabyte	d) Terabyte	Ans.b
36.	Int C=10; System.out.println(C)	, .	, ,	
	a)10 b) 11	c) 9	d) 8	Ans.a
37.	What represents a row in a relation	nal database?	,	
	a) variable b)tuple	c) entity	d)field	Ans. b
38.	All of the following are considered			
	a)Hex Editor b)Unity		d)Adobe Flash	Ans.c
39.	All of the following logical connect	,		
0,1	a)And b) or	c) nor	d) not	Ans.c
40.	The full form of "Wi-fi" is	,)	
	a)Wireless Internet b)Wireless-Fidel		d)Wireless Fiction	Ans.b
	<i>w</i>)	2) 11 12 12 12 12 12 12 12 12 12 12 12 12	a) ** 1101000 1 1001011	111500
	Com	bined Bank		
	///			
	(AME)- N	ACQ Test-30-11-2018		
1.	A host machine is unable to com	municate with google s	server Which comms	and is the
••	most appropriate to run at host			
	responsible for this failure?	machine to actermine	which intermediary	ucvice is
	a) telnet 192.168.1.1	b) ping 192.168.1	⊥ 1	
	c) tracert 192.168.1.1	d) ftp 192.168.1.1		Ans. c
≫ E	xplanation: Traceroute is a command	, .		
	takes from your computer to one you			
	it reaches its destination, or fails to a			
	long each 'hop' from router to router		ion to this, it will ten j	ou nov
2.	Which one is modern lightweight		nat?	
	a) JSON b)MX	c) HTML	d) XML	Ans.a
3.	A shared lock allows which of the	,	,	1 1115.66
٥.	a)Delete b) Insert	c) Read	d) Update	Ans. c
≫ E	xplanation: When resource is locked	,	/ 1	
(SLI)	modify data.	you can only read this c	aata out you can t upua	ic or
4.	Which is not a feature of object or	iented programming?		
	a)inheritance b) recursion	c) encapsulation	d) abstraction	Ans. b
5.	Which of the following protocols u	ises both TCP and UDI	P ports?	
	a)SMTP b) Telnet	c) FTP	d) DNS	Ans.d
S.E	xplanation: DNS uses TCP for zone	exchanges between serv	ers and UDP when a c	lient is
	trying to resolve a hostname to an IF			
6.	To divide a class C network into a		ets- each capable of l	naving up
	to 14 hosts. The subnet mask used			8 1
	a)255.255.255.240 b) 255.255.255.1		d) 255.255.255.0	Ans. a
		,		



7.	The result of a S	SQL SELECT state	ment is a	-	
		b) form	c) file		Ans. d
æE	xplanation:The S	SQL SELECT stateme	ent returns a result set of i		
	-		s zero or more rows from		
	or database view	s. In most application	ns, SELECT is the most co	ommonly used dat	a query
	language (DQL)			•	1 ,
8.		col of following laye	er		
			er c) Application layer	d) TCP layer	Ans. c
9.	Which protocol	is used for secure w	eb browsing?	,	
	a)WWŴ	b) RSA	c) ftp	d)https	Ans. d
10.	Which software	is mostly used for v	rirtualization?		
	a)VMWare	b) Oracle DBMS	c) Windows XP	d) Linux	Ans. a
≽E	xplanation: VMv	ware, Inc. is a subsidi	ary of Dell Technologies	that provides cloud	d
	computing and p	latform virtualization	software and services. It	was one of the first	st
	commercially su	ccessful companies to	o virtualize the x86 archite	ecture.	
11.	To remove the	duplicate rows from	n the result of an SQL	Select statement	, the
	qualifier specifi				
			c) Unique	d) Single	Ans. b
12.	The complexity	of Bubble sort algor	rithm is		
	a) O(n)	b) O(log n)	c) $O(n^2)$	d) O(nlog n)	Ans.c
13.			cuted at least once?		
	,	b)for	,	,	
S.E			while its condition is true		
	•		the body is executed they		
			lo while loop will always		ce.
14.	_	•	ement in the list is know		
	a)Sorting	b)Merging	c) Inserting	d) Traversal	Ans. d
15.	Which of the fol	llowing data structu	re are index structures? c) both a and b	1)	A
	a)Linear array	b) link list	c) both a and b	d) none	Ans. a
16.		and pop related to		1) 11 (.1)	A
1.77			c) stack		Ans. c
17.			d automatically by the sy		A
10			c) durability		Ans. a
18.			lo to a CURSOR		A a .l
- E			or c) Close the cursor		Ans. d
CALL.	during the currer		makes permanent any cha	inges made to the t	iatabase
10	•	n transaction. Icture is used for inc	dovina?		
19.		b) B+ tree	c) Stack	d) Link List	Ans. b
20	a)Binary tree	/	· · · · · · · · · · · · · · · · · · ·	d) Link List	Ans. D
20.	•	ntroduced through?		roublashoatina	Ans
⊾ F	a)Internet brows	<u> </u>	cessing c) emails d) to ced via email attachment	roubleshooting	Ans. c
(SLL)			e the user downloads the		
	•	-	ojan can also come as a pa		
		ble on the Internet.	ojan can aiso come as a pi	ayidau willi iitewa	ne and
	snareware avalla	ore on the internet.			



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instruction set computing is a Central Processing Unit design strategy based on the vision that basic instruction set gives a great performance when combined with a microprocessor architecture which has the capacity to perform the instructions by using some microprocessor cycles per instruction.

33.		he following is not a			
_		ated b) Human -orga		d) Portal	Ans.b
E	-	rch engines are classif	ied into the following	three categories based	d on how it
	works.				
	` '	d search engines	(b)Human powe		
	(c)Hybrid search	•	(d) Other special	l search engines	
34.	Where can java	aScript code be place	ed in an html page?		
	a) <head></head>	b) <body></body>	c) both a and b	d) none	Ans. c
35.	What is the val	lue of variable x afte	r the following states	nent is executed in j	avaScript?
	var x2="3"+ "4			·	-
	a)34	b) 7	c) 0	d) undefine	Ans. a
æ E	xplanation:	,	,	,	
	<html></html>				
	<body></body>				
	_	ript Variables<	/h2>		
		example, x, y,		ables.	
	<pre></pre>				
	<script></td><td>. 1</td><td></td><td></td><td></td></tr><tr><th></th><th>var x = 5;</th><th></th><th></th><th></th><th></th></tr><tr><th></th><th>var y = 6;</th><th></th><th></th><th></th><th></th></tr><tr><th></th><th>var x2="3"+</th><th>-"4";</th><th></th><th></th><th></th></tr><tr><th></th><th></th><th>etElementById("</th><th>demo").innerHTM</th><th>IL =</th><th></th></tr><tr><th></th><th></th><th>of z is: " + x</th><th></th><th></th><th></th></tr><tr><th></th><th></script> <th></th> <th>,</th> <th></th> <th></th>		,		
36.		operator is used to c	reate an object?		
•	a)Class	b) scanf	c) print	d) None	Ans.
× E	,	is akey to create obje	/ L	u) I tolle	111150
		ectName=new ClassN			
37		eue Dual Bus is a sta	O -		
<i>J</i> 1 •	a)MAN	b) LAN	c) WAN	d) Wireless LA	NAnc ah
∽ IF	,	wer is LAN and MAN		u) Wilciess LA	INAIIS. a,D
	-			t in valua to a daubl	ad while
00.		ollowing produce an	answer that is closes	t in value to a doubl	e, u, wille
	not being great		w(d)) a) (int Math also	(1) d) (int Math flag	(4))
		n(d)) b) (int.Math.ma	x(d)) c) (mi.Mam.aos	s(a)) a) (IIII.Maiii.1100	or(u))
	Ans.d				
e E	xplanation:	1	4. 4	````	
		are wrong because bo) methods require 2 a	rguments
		ey are passed only one		1 /: 0 1	
	Option C is wro	ng because it could re	turn a value greater th	an d (if d was negativ	e).

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	Option D is the less than d.	correct answer, it is syr	ntactically correct and	will consistently retur	n a value
39.	Which one is a	universal logic gate?			
	a)NAND	b) AND	c) OR	d) NOT	Ans. a
≥E	Explanation: Two	universal gate is NAN	D and NOR		
40.	Domain name	to IP address mapping	g is done by		
	a)Web server	b) Database server	c) DNS server	d) Proxy Server	Ans. c
		niimhar			
	a)10	number) 12+64+128+ b) 8	c) 6	d)9	

1.		trix A, A ² =A then such		d) Identity matrix	Ans. a
æE	xplanation: In line	ar algebra, an idempote	nt matrix is a matrix w	hich, when multipli	ed by
	itself, yields itself.	That is, the matrix M is	idempotent if and only	v if MM = M. For the	nis
	•	defined, M must necess	-	х.	
2.	_	xity of binary search is			
	a) constant	b) quadratic	c) exponent	d) logarithmic	Ans. d
3.	How many bit str	complexity of Binary se ring of length 4 bit post b) 2		• •	zeros? Ans. d
4.	If A has 4 elemen	nts and B has 8 elemen	its then the minimum	and maximum nu	ımber of
	elements is AUB	respectively?			
	a) 4,8	b) 8,12	c) 4,12	d)6,12	Ans. b
5.	In the given AP s	eries find the number	of items 5,8,11,14,17,2	20,,50	
	a) 11	b) 13	c) 15	d) 16	Ans. d
6.	For some base r,	the digits which are al	lowed in its represent	ation are?	
	a) Digit from 1 to	r b) Digit from 0 to r-1	c) Digit from 1 to r-1	d) Digit from 0 to	rAns. b