

What will be the output of the program? 1. TreeSet map = new TreeSet(); map.add("one"); map.add("two"); map.add("three"); map.add("four"); map.add("one"); Iterator it = map.iterator(); while (it.hasNext()) System.out.print(it.next() + "") (a) one two three four (b) four three two one (c) four one three two (d) one two three four one What is the result of the following program? 2. Class MyFirst { public static void main (String[] args) throws InterruptedException { Thread f = new Thread(); f.start(); System.out.print("A"); f.wait(1000); System.out.print("B"); (a) It prints A and B with a 1000 seconds delay between them (b) It only prints A and exits areer Development Company (c) It only prints B and exists (d) A will be printed, and then an exception is thrown What is the result of the following program? 3. class Bike{ int speedlimit = 150; } class Honda3 extends Bike{ int speedlimit = 90; public static void main(String args[]){ Bike obj = new Honda3();



```
System.out.println(obj.speedlimit);
    }}
     (a) 150
                            (b) 90
                                                   (c) Compilation error
                                                                          (d) 0
4.
    What is the result of the following program?
     public class TestExceptionPropagation
      void m()
                   move to seco
      {
        int a=5/0;
      }
     void n()
     {
     m();
    }
     void p()
     {
     try
     n();
     catch(Exception e)
     {System.out.println("exception handled");
     }
     public static void main(String args∏)
    TestExceptionPropagation obj = new TestExceptionPropagation();
    obj.pg,
System.out.println("normal flow");
     }
    }
     (a) Exception handled
                                                   (b) normal flow
     (c) Exception handled normal flow
                                                   (d) Compilation fails
5.
    Which of the following integer will be returned from the function for input x = 10 \& y = 7 in the given
     pseudo code?
     Function (input x, input y)
     If x < y Then
     return function(y, x)
```



	Else If y! = 0 Then return (x + function(x, y - Else	1))		
	return 0 End If End Function			
	(a) 28	(b) 70	(c) 55	(d) 50
6.	What will you use to inclu (a) Share Option (c) Insert Table	nde a .xls file in an MS-Powe (b) Embed Object (d) PowerPoint does not s		
7			support this application	
7.	The smallest unit in a digital (a) Bit	(b) Byte	(c) Character	(d) Kilobyte
8.	A. Right click on chart -> 0 B. Select full chart -> Righ	to change a line chart into a Chart Type -> Change Chart t click on chart -> Design op -> Design Tab -> Change Cha (b) Only B	Type -> Select Pie Chart -> otions -> Change Chart Type	e -> Select Pie Chart
9.	If 8/9 is entered in a cell v	without any formatting, Exc	el will treat it as a	70
((a) Text	(b) Number	(c) Date	 (d) Fraction
10.	Choose the correct option			
	What does = NOW() funct			
	(a) Current Date followed(c) Current Date	by Current Time	(b) Current Time followed(d) Current Time	d by Current Date
11.	What router command a	allows you to determine w	hether IPaccess list is ena	abled on a particular
	interface? (a) show ip port	Resource	(b) show access-lists	vt Ltd
	(c) show ip interface	st Carper De	(d) show access-lists inte	rface
12.	Which of the following numerical and statistical	software applications wo	ould be the most approp	riate for performing
	(a) Database		(b) Document Processor	
	(c) Graphic Package		(d) Spread Sheet	
13.	Which functionin Excel te	lls how many numeric entri	es are there?	
	(a) NUM	(b) COUNT	(c) SUM	(d) CHKNUM
14.	When will you use VLOOF (a) When you need to ext (b) When the data is very	ract lookup value from righ	t to left	



- (c) When you need to extract lookup value from right to left and the data is very huge.
- (d) When you know that so many editing will be possible in future
- 15. Your manager is using the feature, "Track Changes" in MS Word. He performs the following activities:
 - 1. He is viewing the edits in a document as he has made the changes in the document.
 - 2. He is comparing the documents very often.

What do you call the second activity?

- (a) Greenlining
- (b) Redmarkers
- (c) Redlining
- (d) Doublelining
- o create the following In a PowerPoint presentation, a user wants to create a table that has two columns S No. and Company 16. name as shown in the given image. Which of the following options is the initial step while creating the table?

S No.	Company
1	ICBC
2	Alphabet
3	IBM
4	Google
5	Facebook
6	Apple
7	Linkedln
8	Zoom
9	Microsoft
10	Amazon
11	Samsung

- (a) Insert -> Table -> Select the 12 rows and 2 columns
 - (b) Insert -> Table -> Insert Table; Number of columns 2 and number of rows as 12 -> 0k.
 - (c) Insert -> Table -> Select the 11 rows and 2 columns
 - (d) Insert -> Table -> Insert Table; Number of columns as 2 and number of rows as 11 -> Ok.
- What is the algorithm in the following pseudocode used for?

DECLARE CHARACTER c

DECLARE INTEGER num = 0

D0

READ c

IF c IS '0' THROUGH '9' THEN

num++

END IF

UNTIL c IS '\n'

PRINT num



	END			
	(a) Word count		(b) Character count	
	(c) To find new line chara	icter	(d)Counting digits	
18.	What will be the complex	ity for the below pseudocod	le?	
	SET $t = 0$			
	READ Array A[09]			
	FOR each element e in A			
	t = t + e			
	ENDOR			
	PRINT t	0110	1.0	
	(a) Order of 10	(b) Order of 1	(c) Order of 100	(d) Order of 2
19.	What will be the size of the	ne Queue after execution of	the following code with N =	10?
	while (Starting from i = 1	execute N time with increm	nent of 1){	
	push i to the queue			
	if(i is multiple of 2){			
	peek it from the queue			
	}			6
	if (i is multiple of 3){			TA
	poll it from the queue			-
	(a) 3	(b) 2	(c) 7	(d) 5
				(u) 3
20.	The Greater Than sign (>)		perator.	
1	(a) Arithmatic	(b) Logical	(c) Conditional	(d) Greater
21.	The following program is	used to identify which type		
	initialize a temp variable	Kesource	es india P	vt Ltd
	while (i is less than half o	f the number){	walaning of	a see la conse
- (if(reminder of the division	n between number and i is	0){ </td <td>ompany</td>	ompany
	add the value of 1 to the to	emp variable		
	}			
	}	24		
	if(temp is equal to number	er){		
	return true			
	}else{			
	return false			
	} (a) Prime	(b) Perfect	(c) Armstrong	(d) Perfect squar
	(α) ι ι ι ι ι ι Ε	(D) I CIICL	(c) ministrong	(u) i ci icci squdi



22.	How many times the whi SET even = total = 0; READ N	ile loop will be execute	ed for N = 8?	
	WHILE even <= N			
	total = total + even; even = even + 2;			
	ENDWHILE			
	PRINT total			
	(a) 4	(b) 8	(c) 5	(d) 9
23.	What should be the value READ N SET a = 0 SET b = 1 SET c = 1 REPEAT b = b * c a = a + (b / c) c = c + 1 UNTIL c < N Print a	e of b after the pseudo	code is run for user inp	ut N as 10?
	(a) 46234	(b) 362880	(c) 10	(d) 55
24.	What will be the output of for (each character in the push the character on to }	e input){	nm if the input is 'progra	ammer'?
	while (stack is not empty output += pop the stack	Resour		a Pvt Ltd
	} (a) reargmmorp	st Career	(b) remmargor	nt Company
	(c) remorargmp		(d) None of the	given options
25.	What will be the output of FUNCTION doMath(integration of the second of	ger n)	f n = 4?	
	return n * doMath(n - 1) (a) 16	; (b) 12	(c) 24	(d) 64



26. Consider the following pseudocode:

What would be the output of the pseudocode if the input to the program was 15?

START

Integer TotalNum, NumBoys, NumGirls, BoysPercent

SET BoysPercent = 10

GET NumBoys

SET TotalNum = (NumBoys * 100)/BoysPercent

SET NumGirls = (TotalNum * (100-BoysPercent-1))/100

Print 'Total Number of pupils: ', TotalNum

Print 'Number of girls: ', NumGirls

STOP

(a) Total number of pupils: 115

Number of girls: 133

(c) Total number of pupils: 125

Number of girls: 137

(b) Total number of pupils: 150

Number of girls: 134

(d) Total number of pupils: 150

Number of girls: 136

27. In Java, what does the following code do:

var xyFile:File = File.createTempFile();

if (xyFile.isDirectory() == true)

xyFile.deleteDirectory(true)

else

xyFile.deleteFile();

- (a) Examines if it is a file or directory and then deletes it
- (b) Creates a file or directory and then deletes it
- (c) Deletes the file
- (d) None of these
- 28. The RSA signature uses which hash algorithm?
 - (a) MD5

b) SHA-1

(c) MD5 and SHA-1

- (d) None of the mentioned
- 29. Consider you have a stack whose elements in it are as follows.

Where the top element is 2.

You need to get the following stack

6 5 4 3 2 << top

The operations that needed to be performed are (You can perform only push and pop);

- (a) Push(pop()), push(6), push(pop())
- (b) Push(pop()), push(6)
- (c) Push(pop()), push(pop()), push(6)



- (d) Push(6)
- 30. Consider the following pseudocode:

```
What would be the output when the given pseudocode is executed?
```

FUNCTION CalculateSimpleInterest(Integer P, Integer N, Integer R)

Integer SI

SET SI = (P * N * R)/100

Print 'Simple interest is: ', SI

END FUNCTION

PROGRAM START

CALL CalculateSimpleInterest(1000, 2,5)

STOP

(a) Simple Interest is: 100

(b) Simple Interest is: 500

(c) Simple Interest is: 1000

(d) Simple Interest is: 50

31. What will be the output of the following code if N = 15?

```
if(N is less than 0){
print "invalid number"
}
if(N is divisible by 3 AND N is not divisible by 5){
print "Type 1"
}else if(N is divisible by 5 OR N is not divisible by 3){
print Type 2"
}else if (N is divisible by 5 AND N is divisible by 3){
print "Type 3"
}
```

- (a) Invalid number
- (b) Type 1
- (c) Type 2
- (d) Type 3

32. The following image shows some data entered in an MS-Excel sheet. What formula will you use to arrive at the desired output value of '10' in cell D1?

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A	А	В	С	D			
	Count number of pe	is greater than	10				
1	Target and Actual is	Target and Actual is not 0.					
2							
3	Period	Target	Actual				
4	Jan	30	35				
5	Feb	40	45				
6	Mar	50	55				
7	Apr	60	55				
8	May	0	5				
9	Jun	10	15				
10	Jul	30	30				
11	Aug	40	0				
12	Sep	50	55				
13	Oct	60	65				
14	Nov	70	75				
15	Dec	80	90				
16							

- (a) =CountIFS(C4:C15,C4:C15>=B4:B15,C4:C15,C4:C15>0)
- (b) =SUMIFS(C4:C15,B4:B15,C4:C15>=B4:B15,C4:C15,C4:C15>0)
- (c) = SUM((C4:C15>=B4:B15)*(C4:C15>0))
- (d) $\{=SUM((C4:C15>=B4:B15)*(C4:C15>0))\}$
- 33. When you add a software stack, such as an operating system and applications to the service, the mobile shifts to _____ model.
 - (a) SaaS

(b) PaaS

(c) IaaS

- (d) All of the mentioned
- 34. If h is any hashing function and is used to hash n keys in to a table of size m, where n<=m, the expected number of collisions involving a particular key x is:
 - (a) less than 1

(b) less than n

(c) less than m

- (d) less than n/2
- 35. 6, 8, 4, 3, and 1 are inserted into a data structure in that order. An item is deleted using only a basic data structure operation. If the deleted item is a 1, the data structure cannot be a?
 - (a) Queue
- (b) Tree

- (c) Stack
- (d) Hash Table
- 36. What is the output of the code given below? Now, let us take up a small test. #include <stdio.h>

```
int main()
{
  char ch = 'A';
  printf("%d\n", ch);
  return 0;
}
```

(a) A

(b) A'

(c)65

(d) 97



- 37. The filtering service in inbound response for DNS is sometimes difficult as the hostname to IP address is received from outside network. As a result, it becomes very difficult to take any security-related decisions. Which of the following solutions is incorrect in the context of filtering the DNS?
 - (a) Use a DNS proxy that diverts internal information to the internal DNS server
 - (b) Use a DNS proxy that blocks the inbound responses
 - (c) Keep inbound queries to DNS
 - (d) Use DNS proxy that diverts queries for external information to the internal DNS server
- 38. With what data structure can a priority queue be implemented?
 - (a) Array
- (b) List

(c) Heap

- (d) Tree
- 39. Assume that you have configured wireless access to the Internet using appropriate security. Which two items should be configured on the wireless client?
 - (a) RF Channel, BSS

(b) PSK, Manual SSID

(c) WEP and Passphrase

- (d) SSID, IP address
- 40. If a binary string, '101011' is encrypted to 101111 by using CBC mode with the binary initialization vector 11, then what will be the encrypted value for 110110?
 - (a) 110100
- (b) 101011
- (c) 11010
- (d) 110011
- 41. In the following image that shows a certain data in an MS-Excel sheet, the data in cells B3 and C3 is entered in dd/mm/yyyy format. Determine the result of the formula entered in cell D3.

	COUNT	X	✓ f _x =B3-C3		
4	Α	В	С	D	
1					
2		Start Date	End Date	Result	
3		14-Dec-16	14-Dec-15	=B3-C3	
4					
5					
6					
7					
8					
9					
	0.34		() 0 (-	

(a) ERROR

Training

(b) 1

(c) 366

(d) 365

42. The following image shows a formula entered in a sheet in MS-Excel. Determine the output in cell D6 when the formula in cell D3 is copied to cell D4 through cell D7.

AND		ND	▼ (X ✓ f _x =IF(AND(B3="APF	✓ f _x =IF(AND(B3="APRIL",C3=60000),"Excellent","Good")			
	Α	В	С		D	Е	
1							
2		Month	Units Sold		Remark		
3		January	50120	=IF(AND(B	3="APRIL",C3=60000),"Exceller	t","Good")	
4		February	25410				
5		March	35000				
6		April	60000				
7		May	19201				
8							
9							



	(a) Good (c) "Excellent", "Good")	(b) Excellent(d) None of the given options						
43.	You want to calculate the sum of 2 different ranges B1:B5 contain values, which of the following options (a) =SUM(A1:A5)+(D1:D5) (c) =TOTAL(A1:D5)	_						
44.	What would be the output of this program if the input START	t is 9?						
	Integer NumHours, Regular, Overtime, PayAmount, R	egPay, OverPay						
	GET NumHours SET Regular = 8 SET RegPay = 10 SET OverPay = 5	tosz						
	SET Overtime = NumHours - Regular	SET Overtime = NumHours – Regular						
	IF(Overtime > 0)							
	THEN							
	SET PayAmount = (Regular * RegPay) + (Overtime * OverPay)							
	ELSE							
	SET PayAmount = NumHours * RegPay							
	END IF							
	Print 'The amount to be paid is: ', PayAmount							
	END							
	(a) The amount to be paid is 90	(b) The amount to be paid is 95						
	(c) The amount to be paid is 80	(d) The amount to be paid is 85						
45.	What is the result of formula =ODD(15.5)?							
	(a) True (b) False	(c) 15 (d) 17						
46.	Which of the given pseudocodes uses a correct function	on layout?						
	(a) IF number 1 is odd, output "X"							
	ELSE output "Y"							
	(b) IF x1>x2							
	{							
	IF x2>x3							
	{							
	Print "x1"							
	}							
	ELSE							
	Print "x2"							

47.



```
}
 (c) If number 1 is larger than number 2
    Print "number1 is larger"
    ELSE
    Print "number2 is larger"
 (d) IF x1>x2
    Print "x1"
    ELSE
    Print "x2"
 Provide sample pseudocode for performing an operation, multiple times, but declared only Once. A
 function routine is needed for calculator purpose.
 (a) function addNumbers(int numOne, int numTwo) returns result {
    return (numOne + numTwo);
    function subNumbers(...) {.....}
    addedValue = addNumbers(10,50),
    addedValue = addNumbers(123,49341);
    77...
 (b) function addNumbers(int numOne, int numTwo) returns result{
     return (numOne + numTwo);
    function subNumbers(...) {.....}
 (c) function addNumbers(int numOne, int numTwo) returns result {
    function subNumbers(...){....}
    addNumbers(10,50);
    addNumbers(123,49341);
(d) function addNumbers(int numOne, int numTwo) returns result {
    addedValue = addNumbers (10,50);
    addedValue = addNumbers (123,49341);
```

- 48. The given pseudocode generates an array of size 15. Choose the pseudocode that does not replace every second element in the array with the value 5.
 - (a) Set loopcounter1 to 2 for every second element in the array replace the existing value with 5



increment loopcounter 1 by 3; end for

- (b) for loopcounter1 = 1 to size of the array arr1[loopcounter1] = 5; loopcounter1 = loopcounter1 + 2; endfor
- (c) Set loopcounter1 to 0 for every second element in the array replace the existing value with 5 increment loopcounter 1 by 2; endfor
- (d) for the array from 1 to size of the array replace the existing value with 5 endfor
- 49. You are transitioning form an SSL based VPN to an IP sec based one for some reason. Which of the following options is a valid new feature/characteristic that was not there before?
 - (a) It works on layer 3 now
 - (b) Tunneling is done now
 - (c) It provides flexibility by providing a level of security
 - (d) It can be used regardless of a traffic type now
- The prefix of (A+B)*(C-D) is 50.
 - (a) +-AB*(C-D)
- (b) *+-ABCD
- (c) *+AB-CD

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- (d) *AB+CD
- Which of the following options indicate the correct pseudocode that can used to find if a given 51. number is positive or negative using a logical operator?
 - (a) START

Integer Num

GET Num

r unum==JTHEN
Print "The number is neither positive nor negative"

ELSE

IF NOT (NUM > 0) THEN

Print 'The number is a negative number'

ELSE

Print 'The number is a positive number'

END IF

STOP

(b) START

GET Num



If (Num > 0) THEN Print 'The number is a positive number' **ELSE** Print 'The number is a negative number' **END IF STOP** (c) START **Integer Num** to Size **GET Num** IF (Num==0) THEN Print 'The number is neither positive nor negative' **ELSE** IF NOT (Num > 0) THEN Print 'The number is a positive number' **ELSE** Print 'The number is a negative number' END IF END IF STOP (d) START **GET Num** IF NOT (NUM > 0) THEN Print 'The number is a positive number' Print 'The number is a negative number' **END IF** Resources India Pvt If weak keys are used in encryption by using DES, then the outcome of the permuted choice 1 (PC1) in the DES key schedule leads to round keys being either all zeros, all ones or alternating zero-one patterns. Which of the following hex representations is a weak key? (a) 0x1F1F1F1F0E0E0E0E (b) 0x1F1F1F1FE0E0E0E0 (c) 0xF1F1F1F10E0E0E0E (d) 0xF1F1F1F1E0E0E0E0 The method to crack RSA encryption is to begin to derive the two prime numbers that are used in the RSA PKI mathematical process. Which of the following options can be used to find the two numbers. 'A' and 'B' to derive the private key? (d) Brute-force (a) Factorization (b) Prime detection (c) Hashing The SSL record protocol operation pad_2 is -(a) is the byte 0x36 repeated 40 times for MD5

53.

54.



- (b) is the byte 0x5C repeated 48 times for MD5
- (c) is the byte e0x5C repeated 48 times for SHA-1
- (d) is the byte 0x36 repeated 48 times for MD5
- 55. The DSS signature uses which hash algorithm?
 - (a) MD5
 - (c) SHA-1

- (b) SHA-2
- (d) Does not use hash algorithm
- 56. Which of the following is the deployment model?
 - (a) public

 - (c) hybrid

- (b) private
- Jall on (
- 57. Consider the following pseudo code:

START

Integer A, B, C, Result

GET A, B, C

IF NOT (NOT (A > B)) AND NOT (NOT (A > C)) THEN

SET Result = A

ELSE

IF NOT (NOT (B > A)) AND NOT (NOT (B > C)) THEN

SET Result = B

ELSE

SET result = C

END IF

END IF

Print 'The result is', Result

STOP

- a. What is the result that the program is trying to output in this code when three numbers are input?
- b. What will be printed when the input given to the program is 10, 20, 5?
- (a) a. The program prints the number which will be found in the middle with the numbers are
 - b. The output will be 'The result is 10'
- (b) a. The program prints the largest among the three numbers input
 - b. The output will be 'The result is 20'
- (c) a. The program prints the second smallest among the three numbers input
 - b. The output will be 'The result is 10'
- (d) a. The program prints the smallest among the three numbers input
 - b. The output will be 'The result is 5'
- 58. Covert the infix to postfix for A-(B+C)*(D/E)
 - (a) ABC+DE/*-

(b) ABC-DE/*-



	(c) ABC-DE*/-			(d) None of the above			
59.	What file format would you use to store emails on Outloo						
37.		onnection?	a you use to stor	e emans on ot	thook if you want to we	on them even withou	ι
	(a) .pst file	e	(b) .nst file		(c) .ost file	(d) .mst file	
60.	_	_			=	red in an MS-Excel sheet ts and return the result in	
		Category	Food	Sales			
		Veg	Capsicum	400			
		Fruit	Apple	500	1		
		Fruit	Orange	800			
		Veg	Potato	400	4/>	· _	
		Fruit	Banana	700	10 Sz		
		Category	Total Sales				
		Fruit		=			
	(a) sum(A	2 : A6)			(b) sumif(A2 : A6, "Fr	uit", C2 : C6)	
	(c) sumif(A2 : A6, "Fru	iits", C2 : C6)		(d) sumif(C2 : C6, "Fru	uit", A2 : A6)	
61.	The sequence logic will not be used while						
	(a) Accept	ing input fro	om user		(b) Giving output to th	ne user	
	(c) Compa	ring two set	s of data		(d) Adding two numb	ers	
62.	A full bina	ry tree with	2n+1 nodes cont	cain			
	(a) n leaf r	nodes			(b) n non-leaf nodes		
	(c) (n-1) leaf nodes				(d) (n-1) non-leaf nod	les	
63.	What wou	ld be the ou	tput of the follow	ing pseudoco	de?	PVT Lta	
	Integer i, j Set k = 8	,kLarg	iest Care	eer De	velopment	Company	
	for(each i	from 1 to 1)					
	for(each j	from the val	lue of i to 1)				
	print k+1						
	end for						
	end for						
	(a) 2		(b) 9		(c) 7	(d) 8	
64.		_ refers to tl	he location and m	nanagement of	the cloud's infrastructu	ıre	
	(a) Service			(b) Deployment			
	(c) Application			(d) None of the mentioned			



65.	model or	iginally did not require a	cloud to use virtualize			
	(a) NEFT		(b) NIST			
	(c) NIT		(d) All of the mentio	ned		
66.	In Java 8, which of the object to a disk?	e following methods are	used to store and load inform	nation from the Properties		
	(a) store() and keep()	(b) store() and load()		
	(c) stored() and load	ed()	(d) keep () and load	0		
67.	dynamic allocation of for that. You can impresource instances a	f IT resources from resoulement this architecture are scared out and in to uests and signals resourcal scaling	system of pre-defined scaling urce pools. You can use dyname by scaling in a different direct handle fluctuating workload ce replication to initiate IT results. (b) Dynamic vertical (d) Not an example of the control	mic scalability architecture ection. Now if you want, IT ds. The automatic scaling source duplication.		
68.			x expression –A/B*C\$DE			
00.	(a) ABCDE\$*/-	(b) A-BCDE\$*/-	(c) ABC\$ED*/-	(d) A-BCDE\$*/		
69.	The number of differ	ent directed trees with 3	nodes are			
	(a) 2	(b) 4	(c) 3	(d) 5		
70.	What is the output of #include <stdio.h> void f(int al[]) { int i; for(i=0; i<3; i++)</stdio.h>	the following program?		77		
	mainii	gest Career	ces India			
	for(i=0, i<3; ++i)					
	(a) 10 20 30		(b) 11 21 31			
	(c) compile error		(d) runtime error			
71.	What type of computing technology is used to refer to services and software that usually operate on a distributed network via virtualized resources?					
	(a) Parallel Computin	ng	(b) Soft Computing			
	(c) Cloud Computing		(d) Distributed Com	puting		



72.	Which of the following statements instructs the computer to get value from an input device and store it in a memory location.				
	(a) read	(b) READ	(c) write	(d) WRITE	
73.	A file contains the lin What will str contain?	e "I am a man\r\n" th	en on reading this line int	o the array str using fgets().	
	(a) "I am a man\r\0"		(b) "I am a man\n	\0"	
	(c) "I am a man"		(d) "I am a man\r\	\n\0"	
74.	the company on a give equal to the difference and prints the commit correctly implements of the commission of the	n day and calculates the between the amount of ssion amount to be pathis program? The defendance of the paid is a sion to be paid is a common to be paid is a c	e commission that the sales carned and 90% of the amount to the person. Which of the person which the		
75.	What will be the outpu	it of the following pseud	do code for arr[] = 1, 2, 3, 4,	5	
	initialize i, n	01	u , , -, ,		
	initialize and array of	size n			
	accept the values for the	ne array			
	for o to n				
	arr[i] = arr[i] + arr[i +	1]			
	end for				



print the array elements

(a) 35795

(b) 357911

(c) 3 5 9 15 20

(d) Error

(d) 21

76. What will be the output of the following code?

```
Numbers = {1, 2, 3, 4, 5, 5, 6}

int num1 = numbers.size() -1;

int num2 = 0;

for(each number) {

add number to num2 and assign again to num2

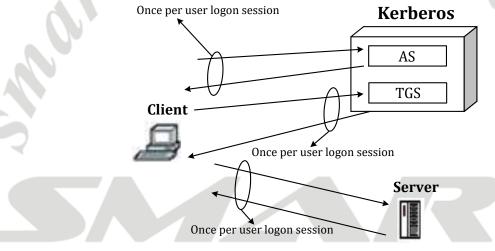
}

int num3 = num2 - (num1 * (num1 + 1) /2);

return num3;

(a) 26 (b) 5
```

77. Consider the Kerberos Authentication Dialogue given. Mention what will happen next when client gets ticket and session key from AS?



- (a) To decrypt incoming message from As, Workstation at Client prompts user for password and password gets used and then ticket and authenticator is sent which contains user's name network address and time to TGS.
- (b) A ticket-granting ticket is requested by client on behalf of the user by sending its user's ID to the AS
- (c) The service-granting ticket and authenticator gets decrypted by client to be sent to AS.
- (d) Client verities user's access right in database creates ticket-granting ticket and session key.
- 78. You want to convince your customer on the many advantages of application virtualization. Which of the following statements is true regarding application virtualization?
 - (a) Increases physical server utilization
 - (b) Supports branch office server workloads
 - (c) Access to data and applications for multiple users
 - (d) Reduce desktop images



79.	An attacker provides the user name and password field as given in the below statement as SQL Injection. What will happen when the command executes? \$statement = "SELECT" FROM users WHERE username = 'admin'; - 'AND password = 'anything';						
	(a) – (double hyphen) instructs the SQL parser that the rest of the line is a comment and should not be executed and removes the Password verification and return admin details						
	(b) Select statement re	trieves all the user data fr	om the table				
	(c) The statement will	truncate the admin access	table				
	(d) This statement will	send vulnerable data into	the table				
80.	To make the number p	ad act as a directional arro	ow, we press				
	(a) Num lock	(b) Caps lock	(c) Arrow lock	(d) Shift			
81.	Which of these algorith	ms will be chosen for the	following:				
	1. Telephone networks	and cellular networks for	routing in communication				
	2. To find the network	model in spreading an infe	ectious disease	>			
	3. IP routing to find Op	en Shortest Path First					
	4. To find locations of t	he map					
	(a) Prim's Algorithm		(b) Krushkal Algorithm				
	(c) Dijkstra's Algorithm	1	(d) Knapsack Problem				
82.	Statistical calculations	Statistical calculations and preparation of tables and graphs can be done using					
	(a) Adobe Photoshop		(b) Excel				
	(c) Notepad		(d) Power Point				
83.	USB is which type of st	orage device?					
	(a) Tertiary	(b) Secondary	(c) Primary	(d) Auxillary			
84.	Junk e-mail is also calle	d					
	(a) Spam	(b) Spoof	(c) Sniffer script	(d) Spool			
85.	Time taken for addition	n of element in queue is	(b) O(n)	vt Ltd			
	(c) O(log n)	and Camana I	(d) None of these option	18			
86.	Given only a single a		other memory is available. V y push and pop operation)?	Jompany			
	(a) Push	(b) Pop	(c) Enqueue	(d) Returntop			
87.	Let the following circular queue can accommodate maximum six elements with the following data front = 2 rear = 4 queue =; L, M, N,,						
		ADD 0 operation takes pl					
		ueue =, L, M, N, O	,				
	(b) front = 3 rear = 5 qu						
	(c) front = 3 rear = 4 qu	ueue =, L, M, N, O	,				



	(d) front = 2 rear = 4 queue =	= L, M, N, O,			
88.	Which of the following is a widely used form of the hash tree?				
	(a) B+ - tree		(b) T tree		
	(c) Htree		(d) Tiger tree hash		
89.	In a hash table of size 10, who	ere is element 7 placed?			
	(a) 6 (b	b) 7	(c) 8	(d) 17	
90.	When the data must arrive at the receive exactly as they were sent, its called?				
	(a) message confidentiality		(b) message integrity		
	(c) message splashing	10.0	(d) message sending		
91.	The message must be encryp	ted at the sender site and	l decrypted at the		
	(a) sender site (b	b) site	(c) receiver site	(d) conferencing	
92.	Which of the following is rela	ated to service provided b	y Cloud?		
	(a) Sourcing (b	b) Ownership	(c) Reliability	(d) AaaS	
93.	All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.				
	(a) propagation		(b) latency		
	(c) noise		(d) All of the mentioned	70	
94.	Which router command allows you to view the entire contents of all access lists?				
	(a) Router# show interface		(b) Router> show ip interf	ace	
	(c) Router# show access-lists	S	(d) Router> show all acces	s-lists	
95.	Cloud computing is a	system and it is neces	sarily unidirectional in natu	re	
	(a) stateless	(b) stateful		(c) reliable	
96.	Which of these options will y	ou use to complete the fo	ollowing statement:		
	Moon is to sodium gas as Enc	celadus to	e India P	vt I tel	
	(a) Water vapor (b	o) Oxygen	(c) Satrun	(d) CO ₂	
97.	Find the error, if any, in the fo	ollowing program:	(c) Satrun	ombanu	
	/* Assume there is a file called 'file.c' in c:\tc directory. */				
	int main()				
	{				
	FILE *fp;				
	<pre>fp=fopen("c:\tc\file.c", "r");</pre>				
	if(!fp)				
	<pre>printf("Unable to open file.");</pre>	;			
	fclose(fp);				
	return 0:				



```
}
     (a) No error, No output.
                                                       (b) Program crashes at run time.
     (c) Output: Unable to open file.
                                                       (d) None of above
98.
     To print out a and b given below, which of the following printf() statement will you use?
     float a=3.14;
     double b=3.14:
     (a) printf("%f %if", a, b);
                                                       (b) printf("%Lf %f", a, b)
                                                      J) p.
     (c) printf("%f %Lf", b);
                                                       (d) printf("%Lf %Lf", a, b);
     What will be the output of the following C code?
99.
     advertisement
     #include <stdio.h>
     void foo(const int *);
     int main()
     {
     const int i = 10:
     printf("%d", i);
     foo(&i);
     printf("%d", i);
     void foo(const int *i);
     {
     *i = 20;
     (a) compile time error
                                                       (b) 10 20
     (c) undefined value
                                                       (d) 10
100. What is the output of the following code snippet?
                                        ources India Pvt
     #include<stdio.h>
     main()
                   argest Career Development Company
   invia f L
     short unsigned int i = 0;
     printf("%u\n", i--);
     }
     (a) 0
                              (b) compile error
                                                                               (d) 32767
                                                       (c) 65535
101. What will be the output of the following C code?
     #include <stdio.h>
     int main()
     const int i = 10;
```



```
int *ptr = &i;
     *ptr = 20;
     printf("%d\n", i);
     return 0;
     }
     (a) Compile time error
     (b) Compile time warning and printf displays 20
     (c) Undefined behaviour
     (d) 10
102. What is the condition for priority of a node in a treap?
     (a) a node's priority should be greater than its parent
                                                                     Sec
     (b) a node's priority should be at least as large as its parent
     (c) the priority is randomly assigned and can have any value
     (d) a node's priority is always given in decreasing order
103. The term "push" and "pop" is related to the
                                                                                    (d) All of above
     (a) Array
                               (b) Lists
                                                         (c) Stacks
104. What is the intersection of a column and a row on a worksheet called?
                                                                                   (d) Cell
     (a) Column
                               (b) Value
                                                         (c) Address
105. Which of the following refers to a small, single-site network?
                                                                                    (d) USB
     (a) LAN
                               (b) DSL
                                                         (c) RAM
106. What will be the output of the following program?
     } public class Test {
     public static void main(String[] args) {
     int count = 1:
     while (count \leq 15) {
     System.out.println(count % 2 == 1? ***** : "+++++");
     ++count;
                                   Career Development Company
     } // end while
     } // end main
     (a) 15 times ***
                                                         (b) 15 times +++++
     (c) 8 times *** and 7 times +++++
                                                         (d) Both will print only once
107. What will be the output of the following pseudocode for n = 5?
     Integer I, j, n
     Read n
     for(each i from 1 to n)
     for(each j from 1 to i)
     Print i
```



End for

Go to New line

End for

(a) 1

23

456

78910

11121314

(c) 1

12

123

1234

12345

(b) 1

22

333

4444

55555

(d) None of the mentioned options

108. What will be the output of the following pseudocode?

Integer i = 0, j = 0

while (i < 2) // line 2

increment i;

while (j < 3)

print A

Go to line no. 2

End while

End while

- (a) It will print A two times
- (c) It will print A four times

- (b) None of the mentioned options
- (d) It will print A three times

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rgest Career Development Company

109. What will be the output of the following pseudocode for the following set of inputs?

move

Integer n1, n2, n3, a

n1 = a MOD 10

n2 = a MOD 2

n3 = a/100

if(n1 + n2 > n3)

Print "Inside 1st if"

else if(n1 + n2 + n3 > n3 + 3)

Print "Inside 2nd if"

else if((n1 + n2)/n3 EQUALS 0)

Print "Inside 3rd if"

else

Print "Last if"

Inputs



1.a = 9872.a = 3413. a = 247(a) 1 - Inside 2nd if (b) 1 - Inside 1st if 2 - Inside 3rd if 2 - Inside 2nd if 3 - Inside 1st if 3 - Inside 3rd if (c) 1 - Inside 2nd if (d) 1 - Last if 2 - Inside 3rd if 2 - Inside 3rd if 3 - Last if 3 - Inside 2nd if 110. What will be the output of the following pseudocode? Sie Integer n, beg, end Set beg = 5, end = 7, sum = 0if (beg > end) Print sum + 1 else for(n = end; n > = beg; n = n - 1) sum = sum + nn = n - 1End for loop Print n (a) 3 (b) 6(c)7111. What will be the output of the following pseudocode? Integer a, b, c Set a = 2, b = 4, c = 9 $if((5 ^ a ^ b) < (3 + b + c))$ c = (a + c) + b**Resources India Pvt Ltd** End if
Print a + b + c [Note-\(^\) is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0. (a) 17 (b) 11 (c) 8(d)5112. What will be the output: int main() FILE *fp; char ch, str[7];

fp=fopen("try.c", "r"); /* file 'try.c' contains "This is Nagpur" */



```
fseek(fp, 9L, SEEK_CUR);
fgets(str, 5, fp);
puts(str);
return 0;
}
(a) gpur
                             (b) agpur
                                                          (c) Nagp
                                                                                       (d) agpu
```

113. What will be the output of the following pseudocode?

```
Integer a, b, c
```

Set
$$a = 5$$
, $b = 10$, $c = 10$

c = a

$$a = (a ^ a) + b$$

$$b = (b \& 3) + c$$

Print a + b + c

[Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.]

(a) 33

(b) 17

nove

(c) 22

(d) 26

114. What will be the output of the following pseudocode?

Integer a, b, c

Set
$$a = 3$$
, $b = 5$, $c = 6$

$$if((c \& a) < a || (b ^ c) < c)$$

$$c = (a + b) & b$$

End if

Print a + b + c

Resources India Pv [Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.]

(a) 8

(b) 18

Otherwise, the corresponding result bit is set to 0.

(c) - 10

(d) 14

115. Select the alternate notation for exponentiation

(a) **

(b) *

(c) ****

(d) *^

116. What would be the output of the following pseudocode for a = 2, b = 3? doSomething(Integer a, Integer b)



	if (b EQUALS 1) return 0 else return a + doSomething(a)	h – 1)			
	End function doSomething				
	(a) 2	(b) 3	(c) 1	(d) 4	
117.	What will be the output of Integer fun(Integer n) if(n IS EQUAL TO 4) return n else return 2 *fun(n + 1)	the following code for n =	2?		
	end if				
	(a) 4	(b) 6	(c) 2	(d) 16	
118	Name the last DML statem	ent processed during a con	mmit transaction		
	(a) UPDATE	(b) INSERT	(c) DELETE	(d) POST	
119.	What will be the output of Integer fun (Integer a, Integer c, n Set n = 5 If (b < 1)		for input a = 3 and b = 4?	SS	
	return n				
	else				
	return fun (a + b + 2, b – 2)				
1	End if End fun() (a) 5	Resource (b) 7	c) 15	(d) 9	
120.	(a) 5 (b) 7 (c) 15 (d) 9 What will be the output of the following pseudocode for a = 10, b = 6? Integer func (Integer a, Integer b)				
	Integer func (Integer a, Integer b)				
	Integer temp				
	while(b)				
	temp = a MOD b				
	a = b				
	b = temp				
	end while				
	return a				
	End function func()				



	[Note: while(b) means the loop will execute until the b is non-zero]				
	(a) 2	(b) 3	(c) 4	(d) 1	
121.	What will be the output of	the following pseudocode?	•		
	Integer p, q, r				
	Set $p = 5$, $q = 10$, $r = 14$				
	if(r > p OR (7 - 7) > (r - 7))			
	q = p				
	Else				
	p = 12				
	End if	0110	1		
	Print p + q + r	AIIVE			
	(a) 26	(b) 35	(c) 24	(d) 22	
122.	What will be the output of	the following pseudocode	for $p = 2$, $q = 5$?		
	Integer funn(Integer p, Int	teger q)			
	Integer r				
	Set $r = 2 + 5$				
	q = 2 + 5 - q				
	p = p + 2 + 5 - r			7	
)	return p + q				
	End function funn()				
	(a) 6	(b) 4	(c) 1	(d) 14	
123.	A features that displays or	nly the data in column(s) ac	cording to specified criteria		
	(a) Formula	(b) Sorting	(c) Filtering	(d) Pivot	
124.	Name the hardware that is	s capable of handling seque	nces of instructions		
	(a) RAM	(b) CPU	(c) ALU	(d) Processor	
125.	Which WLAN Security Te	chnology is based on strea	m cipher encryption algorit	hm and is restricted	
	to 64-bit encryption only?	of Canaga Do	valapment C	ombalali	
- ((a) Temporal Key Integrit	y Protocol	(b) Service Set Identifier	ompang	
	(c) IEEE802.1x		(d) Wired Equivalent Priva	acy	
126.	Which of the following devices serve as Unified Threat Management devices?				
	(a) Both Firewall and Content Filtering devices				
	(b) Intrusion Detection System				
	(c) Firewall				
	(d) Content Filtering device	ces			
127.	Which of the following cha	aracteristic of Cloud allows	it to track each user's occup	ancies?	
	(a) Resource pooling		(b) Measured Service		



	(c) On-demand self-service	es	(d) Rapid Elasticity		
128.	Through which of the following can error be detected at data link level?				
	(a) Hamming Code	_	(b) Bit stuffing		
	(c) Equalization		(d) Cyclic redundancy cod	es	
129.		and bit-mapped displays use			
	(a) Clearer Characters	The state of the s	(b) More Characters		
	(c) Graphics		(d) All of the above		
	-				
130.			veen the major cloud servi	=	
	(a) Azure	(b) Oracle	(c) Alibaba Cloud	(d) Google Cloud	
131.	What will be the output of	the following pseudocode?	40'>.		
	Integer a, b, v, c				
	Set $a = 9$, $v = 27$				
	while(v > 5)				
	a = a + v				
	c = a - 10				
	while($c > 7$)			10	
)	b = v + c				
	c = c - 60				
	end while				
	v = v/3				
	end while				
	Print a, c, v				
	(a) 89 - 41 4		(b) 45 25 3		
	(c) 45 25 – 3	Resource	(d) None of the mentioned	options	
132.	The performance of a monitor depends on which of the following factors? 1. Refresh rate				
	2. Resolution		,		
	3. Size				
	(a) Only 1 and 3	(b) Only 1 and 2	(c) All 1, 2, and 3	(d) Only 2 and 3	
133.	Under which model does SaaS support multiple users and offer a shared data?				
	(a) Multi-tenancy		(b) Multiple-instance		
	(c) Single-tenancy		(d) None of the above		
134	Which of the following sta	tements is/are correct abou	it archiving an Amail?		
137.	1. It deletes the email perm	•	it aremying an emair:		



- 2. Through archiving an email, one could place emails in a folder where it will continue to exist
- 3. When an email is archived, it is sent to the trash folder

Choose the correct answer from the options given below.

(a) Only 2

(b) All 1, 2, and 3

(c) Only 1

- (d) Only 2 and 3
- 135. Name the shortcut key to check spelling mistake in MS Word?
 - (a) Func Key 2
- (b) Func Key 7
- (c) Func Key 5
- (d) Func Key 9
- 136. What will be the output of the following pseudocode for a = 1, b = 1? Integer funn(Integer a, Integer b)

$$a = b - ((a + b + a) - (a - b - a))$$

$$b = a - ((a + b + a) - (a - b - a))$$

return 100 + a + b

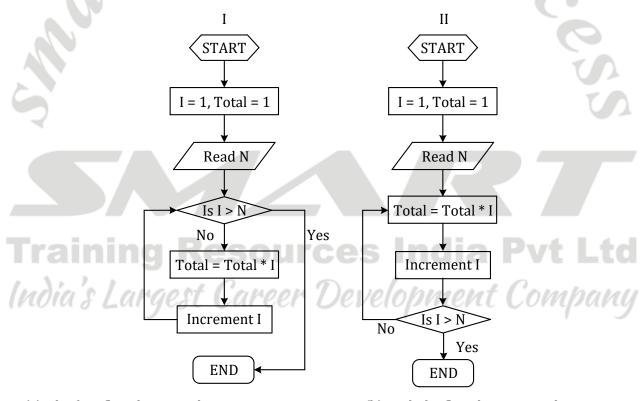
End function funn()

(a) 100

(b) 107

(c)98

- (d) 97
- 137. Which of the following Flow charts finds the Factorial of the input number N? (Assume N > 0)



(a) The first flowchart is right

(b) Both the flowcharts are right

(c) The second flowchart is right

- (d) Both the flowcharts have an error
- 138. Consider the following statements about postfix notation:
 - 1. The operator is written after operands.
 - 2. The operator is written in between the operands.



	3. pq – is the postfix expre 4. p – q is the postfix expre Which of the above statem (a) Only 1 and 3 (b) Only 3	ession of pq – ents are false		d 3 (d) Only 2	2 and 4	
139.	What does CHAP stand for (a) Circuit Handshake auth (b) Circuit Hardware auth (c) Challenge Hardware au (d) Challenge Handshake a	nentication parentication protection	otocol protocol			
140.	Interaction between the cl (a) client_hi	ient and serv (b) client_he		ne message. (c) server_hello	(d) server_hi	
141.	What are the Parallel Desk (a) DISPATCHER (c) TYPE-1 Hypervisor	ctops an exan	nple of?	(b) INTERPRETER (d) TYPE-2 Hyper		
142.	Find the output of the following integer x, y, z; $x = 0$ $y = 1$ $x = y = z = 8$ Print x (a) 0 (c) 1	owing pseudo (b) 8 (d) None of			Cess	
143.	What will be the output of #include <stdio.h> int main(){ float x = 0.0; long int y = 10; printf("%d"-sizeof(x) == s. return 0; }</stdio.h>	Reso	urce			
	(a) 1	(b) zero		(c) 4	(d) 8	
144.	What will be the output of Integer $a - b - c$ Set $b = 2 - a = 2$ $c = a \wedge b$ Print c	the following	g pseudocode?			



[Note-\(^\) is the bitwise exclusive OR operator that compares each bits of its first operand to the corresponding bit of its.... Other that is 1. The corresponding result bit is set to 1. Otherwise-the corresponding result bit is set to 0] (d) 2 145. Which of the following scanf() statement will you use to scan a and b? double b: (b) scanf("%f %Lf", &, &b); (a) scanf("%Lf %Lf", &a, &b); (c) scanf("%f %lf", &a, *&b); (d) scanf("%f %f", &a, *b); 146. main() Sign int x: if (x > 4) printf("Brinda"); else if (x > 10) printf("Karthik"); else if (x > 21) printf("Pradeep"); else printf("Sandeep"); What will be the value of x so that "Karthik" will be printed? (a) From 10 to 21 (b) From 11 to 21 (c) Greater than 10 (d) None of these 147. What will be the output if the following pseudocode if a = 10 and b = 6? Integer func (Integer a-Integer b) Integer temp while(b) temp = a MOD b Resources India Pvt Ltd a = b b = tempest Career Development Company end while return a End function func() (a) 2 (b) 4 (c)3(d) 1 148. In a class, encapsulation an object of another class is called? (a) Composition (b) Inheritance (c) Encapsulation (d) None of these 149. The text that gets transformed using algorithm cipher is called? (a) Complex text (b) Transformed text (d) Scalar text (c) Plain text 150. What will be the output of the following Program? public class Main



```
public static void main (String[] args)
     {
     String names[] = new String[5];
     for(int x = 0, x < args.length, x++)
     names[x] = args[x];
     System.out.println(names[2]);
     }
     (a) Names
                                                      (b) Null
     (c) Compilation fails
                                                      (d) An exception throws at runtime
                                                                Sec
151. What will be the output of the following pseudocode?
     Integer arr[]=\{10 - 20 - 30 - 40 - 5\}
     Integer a – s
     Set s = 0
     Set a = arr[1] + arr[2]
     Print a
                                                                              (d) 40
     (a) 25
                             (b) 5
                                                     (c) 50
152. By default-your documents print in _____ mode
     (a) Landscape
                             (b) Portrait
                                                     (c) Page Setup
                                                                              (d) Print View
153. Which statement is used to close the IF block?
                                                     (c) ENDIF
     (a) ELSEIF
                             (b) ELSE
                                                                              (d) END
154. What will be the output of the following pseudocode?
   #include<stdio.h>
     int main()
                            Resources India Pvt Ltd
     int go = 5.0-num = 1*10;
   do la 8 Largest Career Development Company
     {
     num /=go;
     } while(go-);
     printf("%d\n"-num);
     return 0;
     }
                                                     (b) Compilation error
     (a) Floating point exception
     (c) 3 6 7
                                                     (d) None of these
```

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155. Predict the output.



```
class X
     {
     void display(int a)
     System.out.println("INT");
     }
     void display(double d)
                                ove to sec
     System.out.println("DOUBLE");
     public class Sample
     pulic static void main(String[] args)
     new X() display(100);
     (a) DOUBLE
                                                    (b) Compilation Fails
     (c) INT
                                                   (d) Ambiguity error
156. Select the output of 'file.c' after the execution of the following program
     int main()
     FILE *fp1, *fp2;
    fp1=fopen("file.c", "w");
     fp2=fopen("file.c", "w");
                                    ources India Pvt Ltd
    fputc('A', fp1);
     fputc('B', fp2);
                        est Career Development Company
    fclose(fp1);
     fclose(fp2);
     return 0;
     }
     (a) B
                            (b) A B
                                                   (c) B B
                                                                           (d) Error
157. What are the advantages of Jest over Jasmine?
     (a) Automatically finds and test to execute your source code
     (b) Automatically mocks dependencies when running tests.
     (c) Allows to test asynchronous methods synchronously.
     (d) Run your tests with fake DOM implementation.
```



158.	What is pseudo code?			
	(a) Simplified programming language-that is not a specific language			
	(b) Complicated programming language			
	(c) Simple programming language-which is linked to	a specific language		
	(d) A type of cheese			
159.	Trace the output.			
	extern in P			
	void main()			
	{	1		
	<pre>printf("%d"-P); } (a)Error</pre>	10		
	3			
	(a)Error	(b) 0		
	(c) P	(d) None of the above		
160.	An abstract data type is defined to be a mathematic	al model of a user-defined type along with the		
	collection of all operations on that mode			
	(a) Union	(b) Assignment		
	(c) Primitive	(d) None of the above		
161.	Which protype in React from component, will valida	te a value for an attribute is passed and of type		
	function?	TA		
	(a) React.Prop.func.isRequired	(b) React.Prop.func		
	(c) React.PropTypes.func	(d) React.PropTypes.funcisRequired		
162.	Which of the following data types represents many to	many relations?		
	(a) Both plex and graph	(b) Graph		
	(c) Plex	(d) Tree		
163.	What does this pseudocode do?	s India Pvt Ltd		
	print "Hello"			
- ((a) Nothing	(b) Prints the word "Hello" to the output		
	(c) hello is print in pseudocode	(d) The code won't work		
164.	In TLS padding can be upto a maximum of –			
	(a) 79 bytes	(b) 127 bytes		
	(c) 255 bytes	(d) None of the mentioned		
165.	Which of the following cloud concept is related to poor	oling and sharing of resources?		
	(a) Polymorphism	(b) Abstraction		
	(c) Virtualization	(d) None of the mentioned		
166	as a utility is a dream that dates from the	haginning of the computing industry itself		



	(a) Model		(b) Computing			
	(c) Software		(d) All of the mentioned			
167.	Which of the following is	Which of the following is a popular programming language for developing multimedia web pages.				
	(a) COBOL	(b) Java	(c) BASIC	(d) Assembler		
168.	Which key exchange tech	nnique is not supported by	SSLv3?			
	(a) Anonymous Diffie-Hellman		(b) Fixed Diffie-Hellman	(b) Fixed Diffie–Hellman		
	(c) RSA		(d) Fortezza			
169.	What will be the output	of the following pseudo-cod	le?			
	Input $f = 6$, $g = 9$ and set	sum = 0				
	Integer n if $(g > f)$	ANY	To			
	for $(n = f, n < g; n = n + 1)$		0			
	sum = sum + n	sum = sum + n				
	End for loop					
	else					
	print error message prin		(a) 0	(d) 6		
	(a) 21	(b) 15	(c) 9	(u) 0		
170.	Al	lware components to estab	lish a computer network is ₋			
	(i) NIC					
	(ii) LAN cable/Ethernet(iii) Computers	cable				
	(a) All (i), (ii) and (iii)	(b) Only (iii)	(c) Only (ii)	(d) Only (i)		
454				(u) only (l)		
171.	Select the command that will allow SMTP mail to only host 1.1.1.1					
	(a) access-list 10 permit smtp host					
	(b) access-list 10 permit tcp any host 1.1.1.1 eq smtp (c) access-list 110 permit tcp any host 1.1.1.1 eq smtp					
	(d) access-list 10 permit	RESOUNCE	^p s India P	'vt Ltd		
4 = 0	(u) access-list 10 per lint	sintp nost 1.1.1.1	and about 1	Paraharas		
172.	What is smallest and larg	gest available font on forma	tting toolbar?	ompany		
	(a) Smallest 8 and Large(c) Smallest 8 and Large		(b) Smallest 5 and Large			
			(d) Smallest 5 and Large	St 70		
173.		he first time op		(D) C		
	(a) Save As	(b) Save first	(c) Save on	(d) Copy		
174.	Background color on a d	ocument is not visible in?				
	(a) Web layout view		(b) Print Preview			
	(c) Reading View		(d) Print Layout view			
175.	Which of the following	usually observe each ac	tivity on the internet of	the victim, gather al		

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\$\cup 044 - 28 28 28 29\$

information in the background and second it to sentence else?



	(a) Malware	(b) Spyware	(c) Adware	(d) All of the above	
176.	is a type of	f software designed to help t	the user's computer detect	viruses and avoid them.	
	(a) Malware	(b) Adware	(c) Antivirus	(d) Both (b) and (c)	
177.	What will be the output	t if limit = 6?			
	Read limit				
	n1 = 0				
	n2 = 1				
	n3 = 1				
	count = 1		,		
	while count <= limit:	0110	1		
	<pre>count = 1 while count <= limit: count = count + 1 print(n3, end = "") n3 = n1 + n2 n1 = n2</pre>				
	print(n3, end = "")		4 1 >		
	n3 = n1 + n2				
	n1 = n2				
	n2 = n3				
	End While				
	(a) 112358	(b) 12358	(c) 1.23581321E8	(d) 1.2358132E7	
178.	Let t1 and t2 be the nu	rogram to sort numbers in mber of comparisons made e of the following holds?	5	1 // 1 *	
	(a) $t1 = 5$	(b) $t1 < t2$	(c) $t1 > t2$	(d) $t1 = t2$	
179.		the pivot. Then the tightest (b) O(nLogn)			
100		ng domain problem does the			
100.	(a) NP-complete	(b) Sorting	(c) Optimisation	(d) Linear Solution	
101	raining	Resource	(c) optimisation	(a) Effical Bolación	
181.	What does the followin public void func (Tree i		analahmanet	Campanan	
({		evelopment	Company	
	func (root.left ());				
	func (root.right ());	at data ()).			
	System.out.println (roo	n.uata (j);			
	(a) Preorder traversal		(b) Inorder traversal		
	(c) Postorder traversal		(d) Level order travers	al	
102					
104.	the same?	nemory space than iteration	. willen of the following Is,	are the vallu reason lor	

A. It uses the stack instead of a queue



	B. Every recursion call has to be stored			
		r from the options given be		
	(a) Only A	(b) Both A and B	(c) Neither A nor B	(d) Only B
183.	What will be the output of Input $m = 9$, $n = 6$, m = m + 1; N = n - 1; m = m + n	the following pseudocode?		
	<pre>if (m > n) print m else print n (a) 6</pre>	(b) 5	(c) 10	(d) 15
184.	Consider the following pie int sum (int A[], int n)	ece of code. What will be the	e output?	
	{ int sum = 0, i; for (i = 0; i < n; i++) return sum; }// sizeof(int) = 2 bytes	sum = sum + A[i];		Ces
	(a) 2n + 8	(b) 2n + 4	(c) 2n + 2	(d) 2n
185.	changing. The following maximum, minimum, and	9 keys are inserted in the average chain lengths in th	is h(k) = k mod 9. The collise order: 5, 28, 19, 15, 20, e hash table, respectively ar	33, 12, 17, 10. The
	(a) 3, 0, and 1	(b) 3, 3, and 3	(c) 4, 0, and 1	(d) 3, 0, and 2
186.	How would you define a st (a) A document of what is (c) A statement of requires	to be accomplished	(b) A hierarchical partition (d) All of the above	ning of the program
187.	The preorder traversal sequence of a binary search tree is 30, 20, 10, 15, 25, 23, 39, 35, 42. Which one of the following is the post order traversal sequence of the same tree?			
	(a) 10, 20, 15, 23, 25, 35, 4 (c) 15, 20, 10, 23, 25, 42, 3		(b) 15, 10, 25, 23, 20, 42, 3 (d) 15, 10, 23, 25, 20, 35, 4	
188.	•	ge during an insertion into	rack of a front pointer and a an NON-EMPTY queue? (b) Only rear_ptr changes. (d) Both change.	•
189.	What will be the output of	given function func()?		



```
fun()
     {
     int a[5] = \{1, 2, 3, 4, 5\};
     int *ptr = a;
     ptr + = 3;
     printf ("%d", *ptr);
     }
     (a) address of array
                                (b) 4
                                                           (c) 2
                                                                                     (d) 1
190. What will be returned value of C function function() for given linked list 10 -> 20 -> 30 40 -> 50 with
                                                         rg.
     first node as a head?
     int function (struct node* head){
     int var = 0;
     while (head -> next! = NULL) {
     var++;
     head = head -> next;
     return var;
     }
     (a) 6
                                (b) 4
                                                           (c)5
191. What will be output of function(head) for given linked list 10 -> 20 -> 30 40 -> 50 with first node as a
     void function (struct node* head){
     if(head == NULL)
     function(head -> next);
     printf("%f", head -> data);
                                   (b) 10 20 30 40 50
     (a) 10 20 30 40
     (c) 50 40 30 20
                                                           (d) 50 40 30 20 10
192. In the worst case scenario, the number of comparisons needed to search a singly linked list of length
     n for a given element is
     (a) log2n
                                (b) logn
                                                           (c) n/2
                                                                                      (d) n
193. What output will this method produce if the given input array is {2, 2, 1, 1, 1, 2, 2, 1, 2, 1}
     public int testFuction(int[] nums) {
     int finalCount = nums.length/2;
     int count = 0;
     for (int elem : nums) {
     if (elem == num) {
     count += 1;
```



```
}
     }
     If (count > finalCount) {
     return num;
     }
     }
     return -1;
     }
                                                        (c) -1
                                                                                 (d) 0
     (a) 1
                              (b) 2
194. What will be the level-order traversal of the tree whose array representation is P, Q, R, _, _, _, _, S?
                                                                   a.
     (a) SPQR
                              (b) P Q R S
                                                       (c) PRQS
195. Point out the error in the following code:
     int main()
     unsigned char;
     FILE *fp;
     fp=fopen("trial", "r");
     if(!fp)
     printf("Unable to open file");
     exit(1);
     }
     fclose(fp);
     return 0;
     }
                                                  (b) Error: in unsigned char statement
     (a) Error: unknown file pointer
                                                        (d)None of the above
     (c) No error
196. Select the output of this program:
     #include <stdio.h>
     #include <stdlib.h>
     int main(void)
     {
     char x = 'A';
     char* y = (char*)malloc(sizeof(char));
     y = &x;
     for (int i = 0; i < 26; i++) {
     pritnf("%c", x);
```



```
y[0] += 1;
    }
     (a) SDKJNSDNSKDJNSKDVNSKJD
     (b) SLKFVMSLFKVSFLALKDJF
     (c) ABCDEFGHIJKLMNOPQRSTUVWXYZ
     (d) None of the above
                       nt for the following p.
197. Pick the correct statement for the following program:
    int main()
    {
    FILE *fp;
    char str[11], ch;
    int i=0:
    fp = fopen("INPUT.TXT", "r");
    while((ch=getc(fp))!=EOF)
    {
    if(ch == '\n' || ch == ' ')
    str[i]='\setminus 0';
    strrev(str);
    printf("%s", str);
    i=0
    }
    else
    str[i++]=ch;
   Training Resources India Pvt Ltd
   return 0; 8 Largest Career Development Company
    else
     (a) The code reads a text files and display its content in reverse order
     (b) The code writes a text to a file in reverse order
     (c) The code writes a text to a file
     (d) None of the above
198. Which of the statement is true for the following program?
```

int main()



```
{
     FILE *fptr;
     char str[80];
     fptr = fopen("f1.dat", "w");
     if(fptr == NULL)
     printf("Cannot open file");
     else
     while(strlen(gets(str))>0;
                                                     tosze
                           nove
     fputs(str, fptr);
     fputs("\n", fptr);
     }
     fclose(fptr);
     (a) The code copies the content of one file to another
     (b) The code writes strings that are read from the keyboard into a file
     (c) The code reads a file
     (d) None of the above
199. Which of the following statements is definitely true for a full binary tree consisting of 15 nodes?
     (a) It is a complete but not a strict binary tree
     (b) It is a strict but not a complete binary tree.
     (c) It is both complete as well as a strict binary tree
     (d) It is neither a complete nor a strict binary tree
200. What is the degeneracy of a graph used to measure/find?
     (a) Sparsity of the graph
    (b) To check if there are parallel edges in the graph
     (c) To detect a cycle in the graph
                                                   Development Company
   (d) To check if there are self loops in the graph
201. What is the end from where deletion can be done in the stack called?
     (a) Top
                                                         (c) Front
                                                                                   (d) Middle
                               (b) Rear
202. Select the command used to apply an access list to a router interface?
     (a) ip access-list 101 out
                                                         (b) access-list ip 101 in
     (c) ip access-group 101 in
                                                         (d) access-group ip 101 in
203. What will be the output of the following pseudocode?
     Integer j, m
     Set m = 2
```



```
Integer a[4] = \{2, 1, 1, 1\}
     if (a[1] + 1 > a[3] + 3)
     a[1] = 1 + a[2] + 1
     End if
     if(1 > 0)
     a[2] = 2
     End if
     m = m + a[3] + a[2]
     print m
                                                          (a) 14
                                                         (c)5
                               (b) 12
204. What will be the output of the following program?:
     import java.util.*;
     class Demo {
     public static void main(Strong[] args)
     ArrayList<Integer> arr = new ArrayList<Integer>();
     arr.add(11);
     arr.add(2);
     arr.add(3);
     arr.add(5);
     arr.add(7);
     arr.remove(new Integer(7));
     arr.remove(2);
     for (int i = 0; i < arr.size(); i++)
     System.out.print(arr.get(i) + "");
     (a) 11 2 5
                                                         (b) 1135
                                  (d) None of the above
     (c) Compilation Error
205. What will be the output of the following pseudocode for p = 1, q = 3?
    Integer funn(Integer p, Integer q)
     if(p > q)
     return funn(q - 1, p - 1)
     Else
     return p + q
     End if
     End function funn()
     (a) 8
                               (b) 4
                                                                                  (d) -2
                                                         (c) 19
206. What will be printed after the execution of this pseudocode?
```

#include <stdio.h>



```
int main(void)
{
  int a = (int)0b01001011;
  int* b = &a;
  int n[10] = { (int)0b010110, 17,
    -4, -13, 19, -19,
    10, (int)0b11110110 };
  for (int i = 0; i < 9; i++) {
    printf("%c", b[0]);
    b[0] += n[i];
  }
}
(a) karnataka (b) Kerala (c) kerala (d) Karnataka</pre>
207. Consider the following Binary Search Tree
```

10
/ \
5 20
/ / \
4 15 30
/
11

If we randomly search one of the keys present in above BST, what would be the expected number of comparisons?

(a) 2.75

(b) 2.25

(c) 2.57

(d) 3.25

- 208. Terminal symbol in a flowchart indicates
 - (a) End
- (b) Processing
- (c) Input and Output

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(d) Decision

209. Analyse this structure and choose the correct option.

typedef struct node_s
{
 struct node_s * prev;
 struct node_s * next;
} node_t;?

- (a) This could be a node in a doubly linked list
- (b) The syntax is correct
- (c) The syntax is incorrect
- (d) A linking error would occur because no data is present
- 210. To create a linked list, we can allocate space and make something point to it, by



```
writing:
     struct-name *pointer-variable;
     Which of the following statement will correctly allocate the space?
     (a) pointer-variable= malloc(sizeof(*struct-name));
     (b) pointer-variable = malloc(sizeof(struct struct-name));
     (c) pointer-variable = alloc(sizeof(struct struct-name));
     (d) pointer-variable = alloc(sizeof(*struct-name));
211. How would you make the middle node of a doubly linked list to the top of the list?
     Let assume "X" is the middle node
     (a) X->next->prev = x->prev x->prev->next = x->next x-> next = head head->prev=x
     (b) x->next = head head->prev=x
     (c) X->next->prev=x->next x->prev->next = x->prev x->next = head head-> prev=x
     (d) None of these
212. Skip lists are similar to which of the following datastructure?
                                                        (b) binary search tree
     (a) stack
                                                        (d) balanced binary search tree
     (c) heap
213. The concatenation of 2 lists can be performed O(1) time. Which of the following implementation of
     lists should be used?
                                                        (b) Doubly Linked List
     (a) Singly Linked List
     (c) Circular Linked List
                                                        (d) Array Implementation Of Linked List
214. Assume single linked list pseudocode as follows?
     struct Node {
     data
     next
     }
                            Resources India Pvt Ltd
     record List {
     Node firstNode
                          est Career Development Company
     MOIA & LAPA
     function1(List list) {
     obsoleteNode = list.firstNode; list.firstNode = list.firstNode.next; free obsoleteNode;
     }
     function2(node node) {
     obsoleteNode = node.next; node.next= node.next.next; free obsoleteNode;
     }
     (a) function1 removes the first node
     (b) function2 removes node past this one
     (c) function3 inserts newNode after node
```



- (d) function4 inserts newNode after current first node
- 215. Free lists are used in
 - (a) static memory allocation
 - (b) contagious allocations
 - (c) dynamic memory allocation
 - (d) are used for speeding up linked list operations
- 216. What datastructures can be used in implementing a free list?
 - (a) only unlinked list

(b) arrays

(c) trees

(d) only linked list

- 217. How is linked list implemented?
 - (a) Nodes

(b) Structure

(c) Referential Structures

(d) None of these

- 218. The situation when in a linked list START=NULL is
 - (a) Underflow
- (b) Overflow
- (c) Housefull
- (d) Saturated

- 219. Linked lists are best situated for
 - (a) relatively permanent collections of data
 - (b) the size of the structure and the data in the structure are constantly changing
 - (c) both of above situation
 - (d) none of above situation
- 220. Which among the following is true for doubly linked list?
 - (a) The left pointer of the right most node and no condition on the left most node
 - (b) The right pointer of the right most node and no condition on the left most node
 - (c) The left pointer of the right most node and right pointer of the left most node are null
 - (d) The left pointer of the left most node and right pointer of the right most node are null
- 221. In a circular linked list
 - (a) components are all linked together in some sequential manner
 - (b) there is no beginning and no end
 - (c) components are arranged hierarchically.
 - (d) forward and backward traversal within the list is permitted.
- 222. What does the following function return, if q contains the address of the first element? int function(NODE *q)

```
int function(NODE

{
  int c = 0;
  while(q != NULL)
  {
    q = q->link;
}
```



	C++;			
	}			
	return (c);			
	}?			
	(a) The value of the last no	ode of the linked list		
	(b) The value of the first el	lements of the linked list		
	(c) The address of the last	element of the linked list		
	(d) The number of elemen	ts in a linked list		
223.	Where is the hash tree use	d?		
	(a) in digital currency	-110	(b) in sorting of large data	
	(c) in encryption of data	ANVE	(d) for indexing in databas	ses
224.	The letter number the inte	rsecting column and row is	the-	
	(a) Cell location	(b) Cell position	(c) Cell coordinates	(d) Cell address
225.	Which of the following are	valid Minimum and Maxim	um zoom sizes in MS - offic	e?
	(a) 10-100	(b) 20-250	(c) 10-500	(d) 10-1000
226.	To update a formula in a ta	able, press the		
	(a) F9 keys	(b) All + F9 keys	(c) SHIFT + F9 keys	(d) F8 keys
227	You can replace the text			
227.	(a) Ctrl + H		(b) Ctrl + R	-
	(c) replace from edit menu	1	(d) Both (a) and (c)	
220				-2
228.		ovides development framew	vorks and control structures	Sf
	(a) IaaS		(b) SaaS	
	(a) Dans		(d) All of the mentioned	
	(c) PaaS		(d) All of the mentioned	
229.	A hash function guarantee		. It guarantees that the mes	
229.		s the integrity of a message (b) over view		sage has not be (d) violated
1	A hash function guarantee (a) replaced Which of the following is n	(b) over view of page margin?	. It guarantees that the mes (c) changed	(d) violated
1	A hash function guarantee (a) replaced	(b) over view	. It guarantees that the mes	(d) violated
230.	A hash function guarantee (a) replaced Which of the following is n	(b) over view not a type of page margin? (b) center	. It guarantees that the mes (c) changed	(d) violated
230.	A hash function guarantee (a) replaced Which of the following is n (a) right	(b) over view not a type of page margin? (b) center	. It guarantees that the mes (c) changed	(d) violated
230. 231.	A hash function guarantee (a) replaced Which of the following is n (a) right Text in a column is genera (a) Justified	(b) over view not a type of page margin? (b) center lly aligned	. It guarantees that the mes. (c) changed (c) left (c) Centre	(d) violated (d) top
230. 231.	A hash function guarantee (a) replaced Which of the following is n (a) right Text in a column is genera (a) Justified	(b) over view not a type of page margin? (b) center lly aligned (b) Right	. It guarantees that the mes. (c) changed (c) left (c) Centre	(d) violated (d) top
230. 231.	A hash function guarantee (a) replaced Which of the following is n (a) right Text in a column is genera (a) Justified What do you mean by vert (a) orientation	(b) over viewlot a type of page margin?(b) centerlly aligned(b) Rightlical separation between col	. It guarantees that the mess (c) changed (c) left (c) Centre lumns? (c) margin	(d) violated(d) top(d) Left
230. 231. 232.	A hash function guarantee (a) replaced Which of the following is n (a) right Text in a column is genera (a) Justified What do you mean by vert (a) orientation	(b) over view not a type of page margin? (b) center lly aligned (b) Right ical separation between col (b) glutter	. It guarantees that the mess (c) changed (c) left (c) Centre lumns? (c) margin	(d) violated(d) top(d) Left
230.231.232.233.	A hash function guarantee (a) replaced Which of the following is n (a) right Text in a column is general (a) Justified What do you mean by vert (a) orientation Confidentiality with asymm	(b) over view not a type of page margin? (b) center lly aligned (b) Right ical separation between col (b) glutter metric-key cryptosystem ha (b) data	. It guarantees that the mes. (c) changed (c) left (c) Centre lumns? (c) margin as its own	(d) violated(d) top(d) Left(d) index

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235.	If a previously saved file is edited (a) The changes will automatically be saved in the file (b) It cannot be saved again (c) The file will only have to be saved again if it is more than one page in length (d) The file must be saved again to store the changes			
006		_		
236.	Message authentication is	-	(h) magaaga intagritu	
	(a) message confidentialit(c) message splashing	у	(b) message integrity(d) message sending	
237.		operating environment wit	applications, management, and user interface.	
	(a) SaaS	speracing environment with	(b) IaaS	s, arra aber meerraeer
	(c) PaaS	AIIVE	(d) All of the mentioned	
238.	Message confidentiality is	using	4 17 >	
	(a) cipher text	3	(b) cipher	
	(c) symmetric-key		(d) asymmetric-key	
239.	When a file is saved for th	e first time		
	(a) a copy is automatically	y printed		
	(b) file name and folder na	ame must be the same		
	(c) it does not need a nam	ie		
	(d) it must be given a nam	e to identify it		TA
240.	MAC stands for			
	(a) Message authenticatio	n code	(b) message arbitary conr	nection
	(c) message authenticatio	n control	(d) message authentication	on cipher
241.	provides virt	tual machines, virtual stor	age, virtual infrastructure,	and other hardware
1	(a) IaaS (c) PaaS	Resource	(b) SaaS (d) All of the mentioned	vt Ltd
242.	To move the cursor age to page of documents. (a) Ctrl + Page Down (c) Both of the above		(b) Ctrl + page Up (d) None of the above	
243.	A collection of related files	s is called		
	(a) Character	(b) Field	(c) Date base	(d) Record
244.	Which of the following is o	owned by an organization s	elling cloud services?	
	(a) public	(b) private	(c) community	(d) hybrid
245.	Which of the following oplinked list? (a) Deleting a node whose	-	e efficiently by doubly link	ed list than by singly



- (b) Searching of an unsorted list for a given item
- (c) Inverting a node after the node with given location
- (d) Traversing a list to process each node
- 246. What among the following will you apply to get all the numbers between 0 and 100 range displayed in red colour'?
 - (a) Apply Conditional Formatting command on Format menu
 - (b) Select the cells that contain number between 0 and 100 then click Red color on Text Color tool
 - (c) Use =if() function to format the required numbers red to Size
 - (d)All of the above
- 247. What is the output of the below program?

```
Class A
{
};
int main(
A objA;
cout<< sizeof(objA);
return 0;
(a) Compilation Error
```

(b) Print 0

(c) Print 1

- (d) Print 4
- 248. Consider address of x as 62fe14 and identity the output:

```
#include <stdio.h:>
int main(void)
```

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```
char* x = (char*)&a;
char**y = &x;
y[0] = (char^*)0x62fe14;
print("%x\n", x);
print("%x",*y);
```

(a) 0x62fe14 0x62fe14

- (b) 0x62fe14 0x62fe15
- (c) Crash
- (d) 0x0010 0x1902
- 249. The time complexity of O(N) is used by the _____ sorting algorithm.
 - (a) Heap Sort
- (b) Bucket Sort
- (c) Merge Sort
- (d) Quick Sort
- 250. Which one of the following statement is false regarding Conditional Formatting?



(a) Add more than one condition to check (b) Set condition to look for Bold and apply Italics on them (c) Apply Font, border and pattern formats that meets the specified conditions (d) Delete any condition from Conditional Formatting dialog box if it is not required 251. Select the correct statement in relation to VPN in Network security methods. (a) VPN typically based on IPsec or SSL (b) VPN creating a secure, encrypted "tunnel" across the open internet. (c) A tool that authenticates the communication between a device and a secure network. (d) All of the above 252. Select the one hardware you cannot use with MS Office? (c) Mouse (d) Keyboard (a) Scanner (b) Joystick 253. In the following questions, the following letters indicate mathematical operations as indicated below: A: Addition V: Equal to S: Subtraction W: Greater than M: Multiplication X: Less than D: Division (a) 6 S 7 A 2 M 3 W 0 D 7 (b) 6 A 7 S 2 M 3 W 0 A 7 (c) 6 S 7 M 2 S 3 W 0 M 7 (d) 6 M 7 S 2 A 3 X 0 D 7 254. Will the following program run successfully?: int main() **Resources India Pvt Ltd** printf(" $n=\%*d\n"$, n, n); t Career Development Company } (a) Yes (b) No 255. If the following program contains a line "Be my Friend" in the "source.txt" then what will be the output? (d) Error

(a) Friend (b) fren (c) end (d

256. Which among the following is NOT a version of MS Office?

(a) 2003 (b) 2008

(c) 2013

(d) 2010

257. What does a web page consist of?



	(a) Text and HTML tags		(b) Marked by an openir	ng HTML tag <html:< th=""></html:<>
	(c) Marked by a closing </td <td>'HTML> tag</td> <td>(d) All of the above</td> <td></td>	'HTML> tag	(d) All of the above	
258.	Select the one which is NO	OT an advantage of the flow	chart:	
	(a) Efficient Coding		(b) Improper documenta	ation
	(c) Systematic Testing		(d) Better Communication	on
259.	Which one of the following	g TCP/IP protocol is used t	transfer mail from one machine to another?	
	(a) FTP	(b) RPC	(c) SMTP	(d) SNMP
260.	Under which category wo	uld you put MS Office?		
	(a) Vertical marked Softw	are	10	
	(b) Horizontal Market Sof	tware		
	(c) Open Source Software		0/>	
	(d) Closed Source Softwar	re	SZ	
				10
				7.0
	7			
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