SHRI VIDHYABHARATHI MATRIC HR.SEC.SCHOOL SAKKARAMPALAYAM , AGARAM (PO) ,ELACHIPALAYAM

TIRUCHENGODE(TK), NAMAKKAL (DT) PIN-637202

Cell: 99655-31727, 9965535967

QUARTERLY EXAMINATION-2019

STD: XI SUBJECT: Computer Science

TENTATIVE ANSWER KEY

17.09.2019 MARKS: 70

Page 1

Q.NO	SECTION-I	MAR
1	c)Output	1
2	a)1000	1
3	d)A	1
4	c) - HR.P.	1
5	a)50	1
6	d)PS/2	1
7	b)windows 8	1
8	a)F2	1
9	b)bjarne stroustrup	1
10	b)parallelogram	1
N	d)3	1
12	b)5	1
13	d)All of these	1
14	b)switch	1
15	b)x=display()	1

SHRI VIDHYABHARATHI MAT.HR.SEC SCHOOL, SAKKARAMPALAYAM. 99655-31727

Q.NO	SECTION-I		MARK S			
101	Parallel Processing	(8). · · · · · · · · · · · · · · · · · · ·				
	Super conductors					
	Computers size was drastically reduce	ed.	2			
16	• Can recognize Images and Graphics					
	• Introduction of Artificial Intelligence a	nd Expert Systems	NY.			
	Able to solve high complex primaking and logical reasoning.	roblems including decision				
17	This encoding system is not in the prace encoding system. This can handle 26 = 64 c		2			
	The smallest individual unit in a program	m is known as a Token or a				
	Lexical unit.	A.C.				
	C++ has the following tokens :	SV	<u></u>			
	 Keywords 					
18	 Indentifiers (Variables) 					
	 Literals (Constants) 					
	OperatorsPunctuators					
19	An operating system allows only a single user to perform a task at a time. It is called as a Single user and single Task operating system.					
	SAVE	SAVE AS				
	The save command automatically	The save as command opens	1			
	saves the file using the same name,	a dialog box every time in				
20	format and location, as when it was	which the user can change	2			
20	last saved or opened from. Save	the name of the file, the	2			
5	command opens a dialog box only	format, as well as the	 N 			
-Or	first time saved.	location of where the file is				
1 Yr		saved if needed				
×	Abstraction:		1			
,	•A problem can involve a lot of details. Several of these details are					
	unnecessary for solving the problem Only a few details are essential.					
21	•Ignoring or hiding unnecessary details and modeling an entity only					
	by its essential properties is known					

SHRI VIDHYABHARATHI MAT.HR.SEC SCHOOL, SAKKARAMPALAYAM. 99655-31727

22	fundamental data type. They are also called as Qualifiers. (1) signed (2) unsigned (3) long (4) short				
23	 A large program can typically be split into smaller sized blocks called as functions. Advantages: To reduce size and complexity of the program we use Functions 	APR A			
24	$A \longrightarrow \overline{A} \longrightarrow \overline{A} \longrightarrow \overline{A} \longrightarrow \overline{B} \longrightarrow \overline{B} \longrightarrow \overline{A} \longrightarrow \overline{B} \longrightarrow \overline{B} \longrightarrow \overline{B} \longrightarrow \overline{B} \longrightarrow \overline{B} \longrightarrow \overline{A} \longrightarrow \overline{B} \longrightarrow B$	2			
8	SECTION-III				
25	Multimedia projectors are used to produce computer output on a big screen. These are used to display presentations in meeting halls or in classrooms.	3			
26	 A nibble is a collection of 4 bits Binary digits. A bit is the short form of Binary digit which can be '0' or '1'. It is the basic unit of data in computers. A collection of 8 bits is called Byte. A byte is considered as the basic unit of measuring the memory size in the computer. 	3			
27	•In order to access the files created by other people, you should have the access permission. Permissions can either be granted by the creator of the file or by the administrator of the system.	3			
28	Welcome to programming in c++	3			
30	 The process of converting one fundamental type into another is called as "Type Conversion" C++ provides two types of conversions. Implicit type conversion Explicit type conversion 	3			

C		<pre>strlen(): The strlen() takes a null terminated byte string source as its argument and returns its length. The length does not include the null(\0) character. Example: char source[] = "Computer Science"; cout<<"\nGiven String is "<<source<<strlen(source); 0;<="" pre="" return=""></source<<strlen(source);></pre>	
	31	} isdigit()	At
0		This function is used to check whether a given character is a digit or not. This function will return 1 if the given character is a digit, and 0 otherwise.	3
0		Syntax:	
		int isdigit(char c);	
		<pre>strcat() The strcat() function takes two arguments: target and source This</pre>	
		function appends copy of the character string pointed by the source to	
		the end of string pointed by the target.	
		Ex:	
		strcat(target, source);	
╞			
	32	 Recycle bin is a special folder to keep the files or folders deleted by the user, which means you still have an opportunity to recover them. The user cannot access the files or folders available in the Recycle bin without restoring it. To restore file or folder from the Recycle Bin 	3
┟		It is positive number, 1's complement apply only with negative number.	
	33		3
	Q.NO	SECTION-IV	MARK S
	34	 Impact Printers These printers print with striking of hammers or pins on ribbon. These printers can print on multi-part (using carbon papers) by using mechanical pressure. For example, Dot Matrix printers and Line matrix printers are impact printers. Non-Impact Printers These printers do not use striking mechanism for printing. They use electrostatic or laser technology. Quality and speed of these printers are better than Impact printers. For example Laser printers and Inkjet printers are non-impact printers. 	5
Ī	181	$C = \overline{A \oplus B}$	
	34	$=\overline{A} \cdot B + A \cdot \overline{B}$	5
	(b)	$= AB + \overline{A} \overline{B}$	
L		Mars Mars Mars	

		In	put	Output		
		A	В	C		
		0	0	1	,	
		0	1	0		
		1	0	0		
		1	1	1	- OTO	
	Input ope	erator:				
	the keyl	oard and assign	or >> to get inpu s it to the variabl or " get from" ope	e on its right; hei	-	A
			., it requires two	-	-	
	-		ier cin (pronou	-		
	- 0	d as the input de	vice. The second o	operand must be	a variable.	
	Example:			1	3	
	cin >> n	um;				
35	Output (Operator:		~ ()+ ¹		5
	-	-	or to perform ou	tput operation. T	he operator <<	
			'put to " operator			
			the object on its l			
			he pre-defined i			
			he standard out	put object. The	second operan	
		nt, variable or an	express			
	ion.					
	To son	d more than or	ne value at a ti	ma << oporator	should be us	
			ession. This is call			
	conotai	ity variable, enpr		eu cuscuumg or	operation	
	cout <<	"Welcome";				
		96				
			sends the given s	-		
			care of the data			
			nultiple physical		he world over	
1			(internet/intran	-		
5			erating System is			
			any machine ar			
	ha	ndle the data fro	m different locat	ions. The users c	an access as if	
	iti	s available on the	eir own computer			
35(B)	Ac	lvantages:				
		• A user at o	ne location can	make use of all	the resources	_
		available at	another location	over the network		5
		• Many comp	uter resources	can be added	easily in the	
		network				
		 Improves the 	e interaction with	the customers a	nd clients	
		 Reduces the 	load on the host o	computer.		

	9	Icon	Windows	Icon	Ubuntu	
			My Computer		Files	
			Recycle Bin		Trash	
> <		Ø	Internet Explorer	3	Fire Fox	1
	36		MS-Word		LibreOffice Writer	Ь
2		X	MS-Excel		LibreOffice Calc	
		Po	MS-PowerPoint		LibreOffice Impress	
		0	Search Programs and Files	0	Search your computer	
		-			C	
		execut Syntax:	tialization(s); test-expression;	ć	f. C.	
		Statemo } Staten • The in which	ent 2; ment-x; nitialization part is used to ini are executed only once, then t	he contr	ol passes to test-expression.	
	36(or)	transfe • After the tes Exampl #includ using r	e <iostream> amespace std;</iostream>			5
	VIDHY	-); i< 3; i ++) "value of i : " < <i<<endl;< td=""><td></td><td></td><td></td></i<<endl;<>			
8		}				
	37	e •The •A lo	cal variable is defined within nds with curly braces { }. scope of a local variable is th cal variable cannot be accessed	block ii	n which it is defined.	
		d	eclaration.			

```
upon exit.
Example:
if (a > b)
ł
int temp; //local to this if block//
temp = a;
\mathbf{a} = \mathbf{b};
b = temp;
Function Scope:
               •The scope of variables declared within a function is
                   extended to the function block, and all sub-blocks
                   therein.
               •The life time of a function scope variable, is the life time of
                   the function block. The scope of formal parameters is
                   function scope.
Program
void add(int x, int y)
{
int m=x+y; //'m' declared within function add()/
cout<<"\nThe Sum = "<<m;</pre>
int main ()
{
int a, b;
a = 10;
b = 20;
add(a,b);
return(0);
File Scope:
               •A variable declared above all blocks and functions has the
                   scope of a file. The life time of a file scope variable is the
                   life time of a program.
                •The file scope variable is also called as global variable.
Example:
#include<iostream>
using namespace std;
int file_var=20; //Declared within File//
void add(int x, int y)
int m=x+y+file_var;
cout<<"\n The Sum = "<<m;
Class Scope:
                     •A class is a new way of creating and implementing a
                        user defined data type. Classes provide a method
                        for packing together data of different types.
                     •Data members are the data variables that represent
                        the features or properties of a class.
Example:
 class student
 {
 private :
```



Page 8

	Digital Versatile Disc (DVD):	
38.(B)	 Digital Versatile Disc (DVD): A DVD (Digital Versatile Disc or Digital Video Disc) is an optical disc capable of storing up to 4.7 GB of data, more than six times what a CD can hold. DVDs are often used to store movies at a better quality. A 12 cm diameter disc with single sided, single layer has 4.7 GB capacity, whereas the single sided, double layer has 8.5 GB capacity The 8 cm DVD has 1.5 GB capacity. The capacity of a DVD-ROM can be visually determined by noting the number of data sides of the disc. Electrically Erasable Programmable Read Only Memory (EEPROM) Electrically Erasable Programmable Read Only Memory is a special type of PROM that can be erased by exposing it to an electrical charge. Like other types of PROM, EEPROM retains its contents even when the 	AX
	 power is turned off. Comparing with all other types of ROM EEPROM is slower in performance iOS - iPhone OS •iOS (formerly iPhone OS) is a mobile Operating System created and developed by Apple Inc., exclusively for its hardware. •It is the Operating System that presently powers many of the company's mobile devices including the iPhone, iPad and iPod Touch. •It is the second most popular mobile Operating System globally after 	5
	Android.	

PREPARED BY:

Department of Computer Science SHRI VIDHYABHARATHI MATRIC.HR.SEC.SCHOOL

SAKKARAMPALAYAM, AGARAM (PO) ELACHIPALAYAM

TIRUCHENGODE(TK), NAMAKKAL (DT) PIN-637202

Page 9

Cell: 9003937747