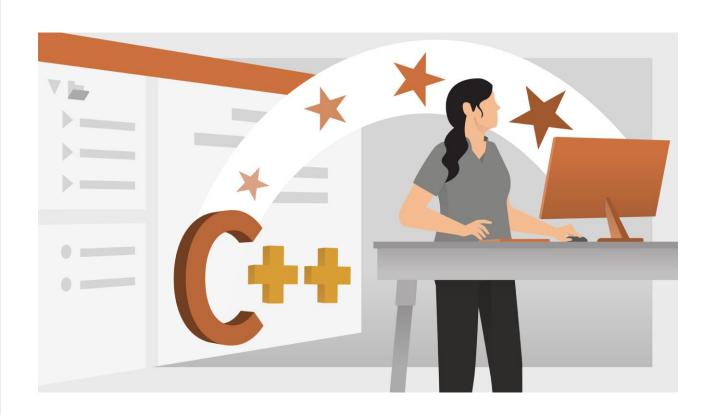
HIGHER SECONDARY FIRST YEAR COMPUTER SCIENCE

1 MARK QUESTION & ANSWERS

2023 - 24



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CHAPTER 1: Introduction to Computers

1.	First generation con	nputers used			
	(a) Vacuum tubes	(b) Transistors	(c) Integr	ated circuits	(d) Microprocessors
2.	Name the volatile m	nemory			
	(a) ROM	(b) PROM	(c) <u>R</u>	<u>AM</u>	(d) EPROM
3.	Identify the output of	device			
	(a) Keyboard	(b) Memory	(c) <u>M</u>	<u>onitor</u>	(d) Mouse
4.	Identify the input de	evice			
	(a) Printer	(b) Mouse	(c) Plo	otter	(d) Projector
5.	Output devi	ce is used for p	rinting build	ing plan.	
	(a) Thermal printer	(b) Plotter	(c) Do	ot matrix	(d) inkjet printer
6.	Which one of the fo	ollowing is used	to in ATM	machines	
	(a) Touch Screen	(b) speaker	(c) M	onitor	(d) Printer
7.	When a system resta	arts which type	of booting is	s used.	
	(a) Warm booting	(b) Cold booti	ng (c) To	ouch boot	(d) Real boot.
8.	Expand POST				
	(a) Post on self Test	(b) Pov	er on Softw	are Test	
	(c) Power on Self T	<u>'est</u> (d) Pov	er on Self T	'ext	
9.	Which one of the fo	ollowing is the r	nain memor	y?	
	(a) ROM (b) R A	(c) Flas	h drive	(d) Hard dis	k
10	. Which generation o	f computer used	d IC's?		
	(a) First (b) Se	cond (c) Thi	rd	(d) Fourth	

CHAPTER 2: Number Systems

1.	. Which refers to the number of bits processed by a computer's CPU?			CPU?		
	A) Byte	B) Nibble	C) Word len	gth	D) Bit	
2.	How many b	ytes does 1 Ki	iloByte contai	n?		
	A) 1000	B) 8	C) 4		D) <u>1024</u>	
3.	Expansion for	or ASCII				
A) American School Code for Information Interchange						
	B) American	n Standard C	ode for Infor	<u>mation</u>	Interchange	
	C) All Standa	ard Code for I	nformation In	terchan	ge	
	D) American	Society Code	e for Informati	on Inte	rchange	
4.	2^50 is refer	red as				
	A) Kilo	B) Tera	C) Peta	D) Zet	tta	
5.	How many c	haracters can	be handled in	Binary	Coded Decim	nal System?
	A) <u>64</u>	B) 255	C) 256	D) 128	3	
6.	For 1101 ₂ the	e equalent Hex	xadecimal equ	ivalent	is?	
	A) F	B) E	C) <u>D</u>	D) B		
7.	What is the 1	's complemen	nt of 00100110)?		
	A) 00100110	B) <u>11</u>	<u>011001 </u>	C) 110	010001	D) 00101001
8.	Which amon	gst this is not	an Octal numl	er?		
	A) 645	B) 234	C) <u>876</u>	D) 123	3	

Part - II - Boolean Algebra

1.	Which is a basic electronic circuit which operates on one or more signals?				
	(A) Boolean algebra	ra ((B) Gate		
	(C) Fundamental	gates ((D) Derived gates		
2.	Which gate is calle	d as the logical i	inverter?		
	(A) AND	(B) OR	(C) <u>NOT</u>	(D) XNOR	
3.	A + A = ?				
	(A) <u>A</u>	(B) O	(C) 1	(D) Â	
4.	NOR is a combinat	tion of?			
	(A) NOT(OR)	(B)NOT(AND	(C) NOT(NOT)	(D) NOT(NOR)	
5.	NAND is called as	Gate			
	(A) Fundamental C	Sate	(B) <u>Derived Gate</u>		
	(C) Logical Gate	((D) Universal gate		

CHAPTER 3: Computer Organisation

1.	which of the	following is	said to be the	brain of a con	nputer?	
	(a) Input dev	ices (b) O	utput devices	(c) Memory	v device (d) Microprocesso	r
2.	Which of the	following is:	not the part of	a microproce	essor unit?	
	(a) ALU	(b) Co	ontrol unit	(c) Cache m	nemory (d) register	
3.	How many b	its constitute	a word?			
	(a) 8	(b) 16	(c) 32	(d) <u>determin</u>	ned by the processor used	<u>l.</u>
4.	Which of the memory addr	•	evice identifie	s the location	n when address is placed in	n the
	(a) Locator	(b) encoder	(c) <u>decoder</u>	(d) multiple:	xer	
5.	Which of the	following is	a CISC proces	ssor?		
	(a) Intel P6	(b) AMD K6	(c) <u>Pe</u>	ntium III	(d) Pentium IV	
6.	Which is the	fastest memo	ry?			
	(a) Hard disk	(b) M	ain memory	(c) Cache m	nemory (d) Blue-Ray disc	
7.	How many n a time?	nemory locati	ons are identif	fied by a proc	cessor with 8 bits address b	us a
	(a) 28	(b) 1024	(c) <u>256</u>	(d) 8000		
8.	What is the c	apacity of 12	cm diameter D	OVD with sing	gle sided and single layer?	
	(a) 4.7 GB	(b) 5.5 GB	(c) 7.8GB	(d) 2.2 GB		
9.	What is the s	mallest size o	f data represei	nted in a CD?	?	
	(a) blocks	(b) sectors	(c) pits	(d) tracks		
10	. Display devi	ces are conne	cted to the con	nputer throug	gh.	
	(a) USB port	(b) Ps	s/2 port	(c) SCSI por	rt (d) <u>VGA connect</u>	<u>or</u>

CHAPTER 4: Theoretical concepts of Operating System

Choos	se the correct answ	er:				
1.	Operating system i	s a				
	A) Application So	îtware	B) Ha	ardware		
	C) System Softwa	<u>re</u>	D) Co	omponent		
2.	Identify the usage	of Operating S	Systems			
	A) Easy interaction	n between the	human and co	mputer		
	B) Controlling inp	ut & output De	evices			
	C) Managing use of	of main memor	ry			
	D) All the above					
3.	Which of the following is not a function of an Operating System?					
	A) Process Manage	ement	B) Memory	Management	t	
	C) Security manag	ement	D) <u>Complie</u>	r Environm	<u>ent</u>	
4.	Which of the follow	wing OS is a c	ommercially l	icensed Oper	rating sys	stem?
	A) Windows	B) UBUNT	U	C) FEDOR	Α	D) REDHAT
5.	Which of the follow	wing Operatin	g systems sup	port Mobile l	Devices?	•
	A) Windows 7	B) Linux	C) B(OSS	D) <u>iO</u>	<u>S</u>
6.	File Management	nanages				
	A) Files	B) Folders	C) Directory	systems	D) <u>Al</u>	l the Above
7.	Interactive Operati	ng System pro	ovides			
	A) Graphics User	Interface (G	<u>UI</u>)	B) Data Di	stributio	n
	C) Security Manag	gement		D) Real Time Processing		
8.	An example for sir	igle task opera	iting system is			

C) MS-DOS

C) FAT

A) Linux

A) <u>ext2</u>

B) Windows

B) NTFS

9. The File management system used by Linux is

D) Unix

D) NFTS

CHAPTER 5: Working with Windows Operating System

Choose the correct answer:

- 1. From the options given below, choose the operations managed by the operating system.
 - a. Memory

b. Processes

c. Disks and I/O devices

- d. all of the above
- 2. Which is the default folder for many Windows Applications to save your file?
 - a. My Document

b. My Pictures

c. Documents and Settings

- d. My Computer
- 3. Under which of the following OS, the option Shift + Delete permanently deletes a file or folder?
 - a. Windows 7

b. Windows 8

c. Windows 10

- d. all of the above
- 4. What is the meaning of "Hibernate" in Windows XP/Windows 7?
 - a. Restart the Computer in safe mode
 - b. Restart the Computer in hibernate mode
 - c. Shutdown the Computer terminating all the running applications
 - d. Shutdown the Computer without closing the running applications
- 5. The shortcut key used to rename a file in windows
 - a. **F2**
- b.F4
- c.F5
- d. F6

CHAPTER 6: Specification and Abstraction

Ch

008	ose the correct answer:				
1.	Which of the following activities is algorithmic in nature?				
	(a) Assemble a bicycle (b)	Describe a bicycle			
	(c) Label the parts of a bicycle (d)	Explain how a bicycle works.			
2.	* * *	is not algorithmic in nature? (b) Draw a kolam. (d) Swapping of two numbers.			
3.	3. Omitting details inessential to the task the task is known as	and representing only the essential features of			
4.	(a) specification(b) <u>abstraction</u>Stating the input property and the input	_			
	(a) specification (b) statement	(c) algorithm (d) definition			
5.	5. Ensuring the input-output relation is (a) the responsibility of the algorithm (b) the responsibility of the user and	l the right of the algorithm.			
	(c) the responsibility of the algorithm(d) the responsibility of both the user	•			
6.	5. If $i = 5$ before the assignment $i := i-1$	after the assignment, the value of i is			
7	(a) 5 (b) $\underline{4}$ (c) 3 7. If $0 < i$ before the assignment $i := i \cdot 1$	(d) 2 after the assignment, we can conclude that			
7.	(a) $0 < i$ (b) $0 \le i$ (c) $i = 0$	(d) $0 \ge i$			

CHAPTER 7: Composition and Decomposition

Choose the correct answer:

1. Suppose u, v = 10, 5 before the assignment. What are the values of u and v after the sequence of assignments?

1 u := v

$$2 v := u$$

(a) u, v = 5, 5

(b) u, v = 5, 10

(c) u, v = 10,5

- (d) u, v = 10, 10
- 2. Which of the following properties is true after the assignment (at line 3?

1 - -i, j = 0, 0

2 i, j := i+1, j-1

3 -- ?

(a) i+j > 0

- (b) i+j < 0
- (c) $\mathbf{i}+\mathbf{j}=\mathbf{0}$
- (d) i = j
- 3. If C1 is false and C2 is true, the compound statement

1 if C1

2 S1

3 else

4 if C2

5 S2

6 else

7 S3 executes

(a) S1

- (b) **S2**
- (c) S3
- (d) none
- 4. If C is false just before the loop, the control flows through

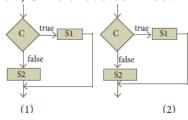
1 S1

2 while C

3 S2

4 S3

- (a) **S1**; **S3**
- (b) S1; S2; S3
- (c) S1; S2; S2; S3
- (d) S1; S2; S2; S2; S3
- 5. If C is true, S1 is executed in both the flowcharts, but S2 is executed in



- (a) (1) only
- (b) (2) only
- (c) both (1) and (2)
- (d) <u>neither (1) nor (2)</u>

6. How many times the loop is iterated?

i := 0

while $i \neq 5$

i := i + 1

- (a) 4
- (b) 5
- (c) 6
- (d) 0

CHAPTER 8: Iteration and recursion

Choose the correct answer:

- 1. A loop invariant need not be true
 - (a) at the start of the loop.
- (b) at the start of each iteration
- (c) at the end of each iteration
- (d) at the start of the algorithm
- 2. We wish to cover a chessboard with dominoes, the number of black squares and the number of white squares covered by dominoes, respectively, placing a domino can be modeled by
 - (a) b := b + 2
- (b) w := w + 2
- (c) b, w := b+1, w+1
- 3. If m x a + n x b is an invariant for the assignment a, b := a + 8, b + 7, the values of m and n are
 - (a) m = 8, n = 7
- (b) m = 7, n = -8
- (c) m = 7, n = 8
- (d) m = 8, n = -7
- 4. Which of the following is not an invariant of the assignment?
 - m, n := m+2, n+3
 - (a) m mod 2
- (b) n mod 3
- (c) 3 X m 2 X n (d) 2 X m 3 X n
- 5. If Fibonacci number is defined recursively as

F (n) =
$$\begin{cases} 0 & n = 0 \\ 1 & n = 1 \\ F(n - 1) + F(n - 2) \text{ otherwise} \end{cases}$$

to evaluate F(4), how many times F() is applied?

- (b) 4
- (c) <u>8</u>
- (d) 9
- 6. Using this recursive definition

$$\mathbf{a}^{n} = \begin{cases} 1 & \text{if } n = 0 \\ a \times a^{n-1} & \text{otherwise} \end{cases}$$

how many multiplications are needed to calculate a 10?

- (a) **11**
- (b) 10
- (c) 9
- (d) 8

CHAPTER 9: **Introduction to C++**

1.	Who developed C++?						
	(a) Charles Babbage	e (b) <u>Bjarne Strous</u>	trup (c) Bill Gates	(d) Sundar Pichai			
2.	What was the origin	al name given to C+-	+?				
	(a) CPP	(b) Advanced C	(c) C with Classes	(d) Class with C			
3.	Who coined C++?						
	(a) Rick Mascitti	(b) Rick Bjarne	(c) Bill Gates	(d) Dennis Ritchie			
4.	The smallest individ	lual unit in a program	n is:				
	(a) Program	(b) Algorithm	(c) Flowchart	(d) Tokens			
5.	Which of the follow	ing operator is extrac	ction operator in C++				
	(a) <u>>></u>	(b) <<	(c) <>	(d) ^^			
6.	Which of the follow	ing statements is not	true?				
	(a) Keywords are the	he reserved words v	which convey specifi	ic meaning to the C++			
	compiler.						
	(b) Reserved words or keywords can be used as an identifier name.						
	(c) An integer const	ant must have at leas	t one digit without a	decimal point.			
	(d) Exponent form of	of real constants cons	ist of two parts				
7.	Which of the follow	ing is a valid string l	iteral?				
	(a) 'A'	(b) 'Welcome'	(c) 1232	(d) <u>"1232"</u>			
8.	A program written is	n high level language	e is called as				
	(a) Object code	(b) Source code	(c) Executable code	(d) All the above			
9.	Assume a=5, b=6; w	what will be result of	a&b?				
	(a) <u>4</u>	(b) 5	(c) 1	(d) 0			
10.	Which of the follow	ing is called as comp	oile time operators?				
	(a) <u>sizeof</u>	(b) pointer	(c) virtual	(d) this			

CHAPTER 9: Data Types, Variables and Expressions

1.	How many ca	ategories of	data types an	re available in C+-	+?
	(a) 5	(b) 4	(c) $\frac{3}{2}$	(d) 2	
2.	Which of the	following of	data types is i	not a fundamental	type?
	(a) signed	(b)	int	(c) float	(d) char
3.	What will be	the result o	f following s	tatement?	
	char ch= 'B';				
	cout << (int)	ch;			
	(a) B	(b) b	(c) 65	(d) <u>66</u>	
4.	Which of the	character is	s used as suff	fix to indicate a flo	pating point value?
	(a) <u>F</u>	(b)		(c) L	(d) D
5.	How many b	ytes of men	nory is alloca	ited for the follow	ing variable declaration if you
	are using Dev	v C++? sho	rt int x;		
	(a) <u>2</u>	(b)	4	(c) 6	(d) 8
6.	What is the o	utput of the	following sr	nippet?	
	char ch = 'A'				
	ch = ch + 1;				
	(a) <u>B</u>	(b)	A1	(c) F	(d) 1A
7.	Which of the	following i	s not a data t	ype modifier?	
	(a) signed	(b)	<u>int</u>	(c) lon	g (d) short
8.	Which of the	following of	operator retui	rns the size of the	data type?
	(a) sizeof()	(b)	int ()	(c) long ()	(d) double ()
9.	Which operat	tor is used t	o access refe	rence of a variable	?
	(a) \$	(b)	#	(c) <u>&</u>	(d)!
10.	This can be u	ised as alter	nate to endl o	command:	
	(a) \t	(b) \b	(c) \0	(c) <u>\n</u>	

CHAPTER 10: Flow of Control

1.	. What is the alternate name of null statement?			
	(A) No statement		(B) Empty statement	
	(C) Void statement		(D) Zero statement	
2.	In C++, the group o	f statements should b	be enclosed within:	
	(A) {}	(B)[]	(C)()	(D) <>
3.	The set of statement	ts that are executed a	gain and again in iter	ration is called as:
	(A) condition	(B) <u>loop</u>	(C) statement	(D) body of loop
4.	The multi way brand	ch statement:		
	(A) if	(B) if else	(C) <u>switch</u>	(D) for
5.	How many types of	iteration statements?	?	
	(A) 2	(B) <u>3</u>	(C) 4	(D) 5
6.	How many times the	e following loop will	execute?	
	for (int $i=0$; i	<10; i++)		
	(A) 0	(B) <u>10</u>	(C) 9	(D) 11
7.	Which of the follow	ing is the exit control	ol loop?	
	(A) for	(B) while	(C) dowhile	(D) ifelse
8.	Identify the odd one	e from the keywordso	of jump statements:	
	(A) break	(B) <u>switch</u>	(C) goto	(D) continue
9.	Which of the follow	ing is called entry co	ontrol loop?	
	(A) do-while	` /	(C) <u>while</u>	(D) if-else
10	_	s another loop inside	•	
	(A) Nested loop	(B) Inner loop	(C) Inline loop	(D) Nesting of loop

CHAPTER 11: Functions

1.	Which of the fo	llowing header file c	lefines the standard I/0	Opredefined functions?
	A) stdio.h	B) math.h	C) string.h	D) ctype.h
2.	Which function	is used to check who	ether a character is alp	hanumeric or not.
	A) <u>isalpha()</u>	B) isdigit()	C) isalnum()	D) islower()
3.	Which function	begins the program	execution?	
	A) isalpha()	B) isdigit()	C) main()	D) islower()
4.	Which of the fo	llowing function is v	vith a return value and	l without any argument?
	A) x=display(in	t, int) B) <u>x=display()</u>	
	C) y=display(flo	oat) D) display(int)	
5.	Which is return	data type of the fund	ction prototype of add	(int, int); ?
	A) <u>int</u>	B) float	C) char	D) double
6.	Which of the fo	llowing is the scope	operator?	
	A) >	B) &	C) %	D) ::

CHAPTER 12: Arrays and Structures

1.	_	collection of	variables of the same type that an
	referenced by a commonname?		
	a) int b) float	c) <u>Array</u>	d) class
2.	int age[]= $\{6,90,20,18,2\}$; How m	nany elements	are there in this array?
	a) 2 b) <u>5</u>	c) 6	d) 4
3.	cin>>n[3]; To which element do	es this stateme	nt accept the value?
	a) 2 b) 3	c) <u>4</u>	d) 5
4.	By default, a string ends with wh	ich character?	
	a) <u>\o</u> b) \t	c) \n	d) \b
5.	Structure definition is terminated	l by	
	(a): (b) }	(c) <u>:</u>	(d) ::
6.	What will happen when the struc	ture is declared	d?
	(a) it will not allocate any memora	ry	(b) it will allocate the memory
	(c) it will be declared and initiali	zed	(d) it will be only declared
7.	A structure declaration is given b	elow.	
	struct Time		
	{		
	int hours;		
	int minutes;		
	int seconds;		
	}t;		
	Using above declaration which o	f the following	g refers to seconds.
	(a) Time.seconds (b) T	ime::seconds	(c)seconds (d) t. seconds
8.	Which of the following is a prope	erly defined str	ructure?
	(a) struct {int num;} (b) st	ruct sum {int r	num;}
	(c) struct sum int sum; (d) st	ruct sum {int	<u>num;};</u>
9.	A structure declaration is given b	elow.	
	struct employee		
	{		
	int empno;		
	char ename[10];		
	}e[5];		
	Using above declaration which o	f the following	statement is correct.
	(a) <u>cout<<e[0].empno<<e[0].en< u=""></e[0].empno<<e[0].en<></u>	ame;	(b) cout< <e[0].empno<<ename;< th=""></e[0].empno<<ename;<>
	(c) $\cot << e[0]-> empno << e[0]->$	ename;	(d) cout< <e.empno<<e.ename;< th=""></e.empno<<e.ename;<>
10	When accessing a structure men	nber ,the ident	ifier to the left of the dot operator is
	the name of		_
	(a) structure variable	(b) structure	tag
	(c) structure member	(d) structure	function

CHAPTER 13: Introduction to Object Oriented Programming Techniques

1.	The term is used to	describe a programm	iing approach based o	on classes and objects is
	(A) <u>OOP</u>	(B) POP	(C) ADT	(D) SOP
2.	The paradigm which	th aims more at proce	edures.	
	(A) Object Oriented	l Programming	(B) Procedural pro	gramming
			(D) Structural progr	
3.	Which of the follow	ing is a user defined	data type?	
	(A) <u>class</u>	(B) float	(C) int	(D) object
4.	The identifiable en	tity with some charac	cteristics and behavio	ur is.
	(A) class	(B) <u>object</u>	(C) structure	(D) member
5.	The mechanism by	which the data and for	unctions are bound to	gether into a single unit
	is known as			
	(A) Inheritance	(B) Encapsulation	(C) Polymorphism	(D) Abstraction
6.	Insulation of the dat	ta from direct access	by the program is cal	lled as
	(A) Data hiding	(B) Encapsulation	(C) Polymorphism	(D) Abstraction
7.	Which of the follow	wing concept encaps	ulate all the essential	properties of the object
	that are to be create	d?		
	(A) class	(B) Encapsulation	(C) Polymorphism	(D) Abstraction
8.	Which of the follow	wing is the most impo	ortant advantage of ir	heritance?
	(A) data hiding	(B) <u>code reu</u>	<u>sability</u>	
	(C) code modificati	on (D) accessibility	ility	
9.	"Write once and us	e it multiple time" ca	an be achieved by	
	(A) redundancy	(B) <u>reusability</u>	(C) modification	(D) composition
10.		• • •	sitive nature of data?	
	(A) Inheritance	(B) Encapsulation	(C) Polymorphism	(D) Abstraction

CHAPTER 14: Classes and objects

2.	(A) data (B) inline (C) method (D) attributes Which of the following statements about member functions are True or False? i) A member function can call another member function directly with using the dot operator. ii) Member function can access the private data of the class. (A) i)True, ii)True (B) i)False, ii)True (C) i)True, ii)False (D) i)False, ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function The member function defined within the class behave like functions				
	 i) A member function can call another member function directly with using the dot operator. ii) Member function can access the private data of the class. (A) i)True, ii)True (B) i)False, ii)True (C) i)True, ii)False (D) i)False, ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function 				
	operator. ii) Member function can access the private data of the class. (A) i)True, ii)True (B) i)False, ii)True (C) i)True, ii)False (D) i)False, ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function				
	ii) Member function can access the private data of the class. (A) i)True, ii)True (B) i)False, ii)True (C) i)True, ii)False (D) i)False, ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function				
	 (A) i)True, ii)True (B) i)False, ii)True (C) i)True, ii)False (D) i)False, ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function 				
	(C) i)True, ii)False (D) i)False,ii)False A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function				
	A member function can call another member function directly, without using the dot operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function				
2	operator called as (A) sub function (B) sub member (C) nesting of member function (D) sibling of member function				
3. A member function can call another member function directly, without using					
	(C) <u>nesting of member function</u> (D) sibling of member function				
	The member function defined within the class behave like functions				
4. The member function defined within the class behave like functions					
	(A) <u>inline</u> (B) Non inline (C) Outline (D) Data				
5.	Which of the following access specifier protects data from inadvertent				
	modifications?				
	(A) <u>Private</u> (B) Protected (C) Public (D) Global				
6.	class x				
	{				
	int y;				
	public:				
	$x(int z){y=z;}$				
	} x1[4];				
	int main()				
	$\{ x x2(10); $				
	return 0;}				
	How many objects are created for the above program				
	(A) 10 (B) <u>14</u> (C) 5 (D) 2				
7. State whether the following statements about the constructor are True or False.					
	i) constructors should be declared in the private section.				
	ii) constructors are invoked automatically when the objects are created.				
	(A) True, True (B) True, False (C) False, True (D) False, False				
	Which of the following constructor is executed for the following prototype?				
	add display(add &); // add is a class name				
	 (A) Default constructor (B) Parameterized constructor (C) Copy constructor (D) Non Parameterized constructor 				
	(D) Non Farameterized Constructor				

CHAPTER 15: Polymorphism

Choose the correct answer:

1. Which of the following refers to a function having more than one distinct meaning? (A) **Function Overloading** (B) Member overloading (C) Operator overloading (D) Operations overloading 2. Which of the following reduces the number of comparisons in a program? (A) Operator overloading (B) Operations overloading (C) Function Overloading (D) Member overloading 3. void dispchar(char ch='\$',int size=10) $for(int i=1; i \le size; i++)$ cout << ch; How will you invoke the function dispchar() for the following input? To print \$ for 10 times (A) dispchar(); (B) dispchar(ch, size); (D) dispchar('\$',10 times); (C) dispchar(\$,10); 4. Which of the following is not true with respect to function overloading? (A) The overloaded functions must differ in their signature. (B) The return type is also considered for overloading a function. (C) The default arguments of overloaded functions are not considered for Overloading. (D) Destructor function cannot be overloaded. 5. Which of the following is invalid prototype for function overloading. (A) Void fun (int x); (B) Void fun (int x); Void fun (char ch); Void fun (int y); (D) Void fun (double d); (C) Void fun (double d); Void fun (char ch); Void fun (int y);

CHAPTER 16: Inheritance

1.	. Which of the following is the process of crea	ating new classes from an existing class				
	(a) Polymorphism (b) <u>Inheritance</u> (c)					
2.	nt from the base class school					
		student : public school				
	(c) student : public school (d) class s					
3.	3. The type of inheritance that reflects the trans	1				
	· -	ple Inheritance				
		d Inheritance				
4.	. Which visibility mode should be used when					
	to be available to the derived class but not to the classes that are derived from the					
	derived class?					
) Protected (D) All of these				
5.	6. Inheritance is a process of creating new class					
) derived class (D) Function				
6.	5. A class is derived from a class which is a derive	* * *				
(A) multiple inheritance (B) multilevel inheritance						
		e inheritance				
7.	Which amongst the following is executed in					
	(A) Destructor (B) Member function	(C) <u>Constructor</u> (D) Object				
8.	3. Which of the following is true with respect t					
	(A) Private members of base class are inherited to the derived class with private					
	(B) Private members of base class are n					
	private accessibility					
	(C) Public members of base class are inherit	ed but not visible to the derived class				
	(D) Protected members of base class are inhomogeneous					
9.	D. Based on the following class declaration ans					
	class vehicle	protected:				
{	{ int wheels;	int load;				
	public:	public:				
•	void input_data(float,float);	void read_data(float,float)				
	void output_data();	<pre>void write_data(); };</pre>				
	protected:	class bus: private heavy_vehicle {				
int passenger; char Ticket[20];						
	};	public:				
	class heavy_vehicle : protected	void fetch_data(char);				
	vehicle {	<pre>void display_data(); };</pre>				
int diesel_petrol;						
9.1. Which is the base class of the class heavy_vehicle?						
	(a) Bus (b) heavy_vehicle (c)					
Ç	9.2. The data member that can be accessed from the function displaydata()					
	(a) passenger (b) load (c) Ticket (d) All of these					
	9.3. The member function that can be accessed					
		read_data(), write_data()				
	(c) <u>fetch_data()</u> , <u>display_data()</u> (d) All of these					
	9.4. The member function that is inherited as					
	•	read_data(), write_data()				
		none of these				

CHAPTER 17: Computer Ethics And Cyber Security

1.	nd values?					
	a. piracy	b. programs	c. virus	d. <u>computer ethics</u>		
2.	ly are known as					
	a. freeware	b. <u>warez</u>	c. free software	d. software		
3.	Which one of the	following are self	-repeating and do	o not require a computer		
	program to attach th	nemselves?				
	a. <u>viruses</u>	b. worms	c. spyware	d. Trojans		
4.	Which one of the fo	ollowing tracks a user	r visits a website?			
	a. <u>spyware</u>	b. cookies	c. worms	d. Trojans		
5.	5. Which of the following is not a malicious program on computer systems?					
	a. worms	d. Trojans	c. spyware	d. <u>cookies</u>		
6.	A computer netwo	rk security that mo	nitors and contro	ls incoming and outgoing		
	traffic is					
	a. Cookies	b.Virus	c. <u>Firewall</u>	d. worms		
7. The process of converting cipher text to plain text is called						
	a. Encryption	b. <u>Decryption</u>	c. key	d. proxy server		
8. e-commerce means						
	a. <u>electronic comm</u>	erce b. ele	ctronic data excha	nge		
	c. electric data exch	ange d. ele	ctronic commercia	alization.		
9.						
	a. scam	b. spam c. fram	ud d. s	spoofing		
10		or transactions are ca				
	a. Electronic Data Interchange b. Electronic Data Exchange					
	c. Electronic Data Transfer d. Electrical Data Interchange					

Education Is The
Most Powerful Weapon
Which You Can Use
To Change The World.
ALL THE BEST!



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