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GUESS PAPER

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12th Class SCIENCE

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- 4. Biology
- 6. Physical Education
- 8. Computer Science
- 10. Functional English

By PANEL OF EXPERTS

2024





NARENDERA PUBLISHING HOUSE

Price : ₹150.00

COMPUTER SCIENCE

Time	e: 2.3	30 Hours	Maximum	Mark	s·70	
					3.70	
Q.1	(i)	Explain the concept of object Oriented Pr	l shotz without // oildu9 oniloCl	s.		
1		Or		Just.		
	ezin'i	Explain concepts of Data Encapsulation a	nd Data Hiding.		4	
	(ii)	What is Class? Describe the syntax of class declaration.			3	
	(iii)	write a program to implement concept of	function overloading.		3	
2	(iv)	Explain Public and Private Access Specifi	ior		2	
1	*	Explain Scope Resolution Operator.				
	*	Explain Data Abstraction.	An integer can be added to or	(ii)	98	
	(v)	Define a Data Member.	The content of memory location		1	
	*	Define a Member Function.				
	*	Define an Object.			1	
T	(vi)	Togreat Construct. (Truch a			1	
	*	Objects are called physical constructs. (True/False)				
		Members of class are by default private.			1	
	(vii)		ect as: (b) Object @ datamember			
	((a) Object @ datamember	(d) All of these		1	
	*	(c) Object* datameter				
* Correct way of declaring object of class is: (a) Class classname objectname (b) Class object objectname						
	1	(c) Classname objectname	(d) None of these (a) diag (a)			
	*	We can define member funcition outside t				
		(a) Using structures	(1 \ TT ' - '-4			
		(c) Using scope resolution operator	(d) None of these			
		Section - 2				
Q.2.	(i)	What is a Constructor? Describe paramet	terized constructor.		3	
7.2.	(ii)	Destructors does not allow any parameters (True/False)				
	*	Destructors is not return type function. (True/False)			
	*	Constructor does not allow any parameter	ers. (True/Faise)	(III)		
				NA.		
	(iii)	Syntax for destructor in C++:	Define Multidancasural Array			
	()	(a)! classname ()	(b) @ classname ()	(vi)		
		(c) \$ classname ()	(d) ~ classname ()		1	
•	*	A constuctor that accepts no parameters i	s called:			
		(a) Perameterized constructor	(b) Default constructor(d) None of these			
		(c) Both (A) and (B)	(d) None of these			
	*	A Destructor:	(c) Both (A) and (B)			
		(a) destroys classes				
		a ha overloaded	Stack is a data structure which			
		(c) destroys the objects created by a con	structor of grand CHIA (8)			
		(d) None of these o show (b)	(d) bas (e) sholt (e)			

		Section -	3			
Q.3.	(i)	1: 1 :-horitance				
Q.5.	(ii)					
	*	Define a Derived Class.	House			
	*	Define Public Visibility Mode.				
	(iii)	derived class				
	(111)	False)				
Þ	*	In mulitple inheritance, a subclass is der	ived from one base class. (True	e/False)		
	*	In multilevel inheritance, a subclass inhe	rits from mulitple baseclasses. (7	Γrue/False)		
6		Section -				
0.4	(i) (Giving a suitable example, explain a "Point	The state of the s	3		
Ψ	(ii)	An integer can be added to or subtracted		1		
1	(iii)	The content of memory location that po	inter points can be accessed wit	h:(v)		
	(111)	(a) New operator	(b) Delete operator			
		(c) Dereference operator	(d) None of these	1		
Ť	*			(iv) 1		
	*	A pointer is a user defined data type. (True/False) A pointer can be incremented/decremented. (True/False)				
	*	A new operator is used to:	ted. (True/Paise)			
		(a) Allocate the memory	(b) Deallocate the memory			
	7	(c) Both (a) and (b)	(d None of these			
	*	A delete operator is used:	(d None of these			
	(a) To reallocate the memory (b) To deallocate the memory					
	. /	(c) Both (a) and (b)	(d) None of these	PDF		
		n outside the class:	manu isdusement bings of			
		Section -	5 communis great (e)			
Q.5.	(i)	Explain Binary Search.	co voilutivo regione gniaU (a)			
		Or				
		Define an Array. Describe its Memory Ro	epresentation.	0.2. (1)		
	(ii)	Define Stack. Describe two main operations performed on a stack.				
	(iii)	Define term (Coardhine)		* 3		
	*	Define term sorting.	Constuctor does not allow a	* 2		
	*	Define Multidimensional Array.				
	(iv)	Insertion operation in queue take place at	(a) I classhame)			
		(a) Front of the queue	(b) End of the queue			
		(c) Both (A) and (B)	(d) None of these			
	*	Queue is a data structure which follows:	Trone of these	1		
		(a) FIFO principle	(b) LIFO principle			
		(c) Both (A) and (B)	(d) None of these			
	*	Stack is a data structure which follows:				
		(a) FIFO principle	(b) LIFO prince:			
		(c) Both (a) and (b)	(e) En o priniciple			
			(d) None of these			

	Section - 6 [AWSIO] All
Q.6. (i) I	Define Database. What are its advantages?
	Or Or
1	What is DDL? Discuss its commands.
(ii)	Define SQL. What are its advantages?
(iii)	Write various type of DML commands.
*	Write the use of Insert Command and Delete Command.
*	Define Degree and cardinality of relation.
(iv)	Write the use of SQL function Sum ().
*	Write the use of SQL function Marx ().
*	Write the use of SQL function Min ().
	Section - 7
Q.7. (i)	Explain Universal Gate behaviour of a NAND Gate.
lanown ks	School surface of the
1	Giving Logic Gate symbol and truth table, describe the principle operation of OR
	Gate. 4
(ii)	State and explain De Morgan's laws using truth table. 2
(iii)	Define Logic Gate and write names of four basic logic gates.
*	Explain AND Operator using truth table.
*	Explain NOT Operator using truth table.
(iv)	If the input of NOT Gate is 0, output will be:
2	(a) 0 (b) 1 (d) None of these
	(c) 2
*	(c) 2 The output of NOR Gate is 1 when the two inputs are: (b) 1 and 1
	(a) 0 and 1
	(c) o and o
*	The output of AND Gate is 1 when the two inputs to be be because of (b) 1 and 1
3	(a) Vone of these
	(c) 1 and 0 Section - 8
	Section 1
0 0 (i)	Define Network Topology. Explain Star Topology. Or
Q.8. (i)	Or the street of
	Define Cyber Bullying. Wht are its preventive measure? 4 3
(;;)	2 2
(ii)	Describe the use of Modem. 1
(iv)	In networking MAN stands for
(iv)	In networking MAN stands for
*	activorking PAN stands for minutes
*	In networking