DMMON FIRST	REVISION I	OITANIMAXE	N-JAN. 20	25
	Standar	d - XI Re	g.No.	
e: 3.00 hrs.	COMPUTER	SCIENCE	Mari	ks:70
and thought let h	PART	-I		
Choose the correct Which one of the follo a) Touch Screen b) A nibble is a collection	answer: wing is used to in Speaker		d) Printer	1=15
a) 2 bits b)		c) 4 hits	d) 4 hytes	
The basic logical oper	ation OR is symb	olically represente	d hy	
a) dot b)	plus	c) over bar	d) single apos	trophe
Which one is RISC pr		107 74 6916 77		
a) Intel 386 & 486 b)		c) Pentium III	d) Pentium IV	
Which of the followin	g Is said to bethe	brain of a comput	er?	
 a) Input devices b 	Output devices	c) Memory device	d) Microproce	ssor
The File managemen a) ext2 b) NTFS	c) FAT	d) NFTS	
You can move to the		5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		The T
) T	c) S	d) F1	
From the options giv				ertaing
system	V	HA		
a) Memory Which of the following a) Multiply two numbers c) Walk in the park If C is false just before	ng activities is not bers	b) Draw a kolamd) Swaping of tw	ure?	ibove
1 S1	ore the loop, the	CONTROL HOWS CHIFOL	ign	
2 While C	A hander by the of a	of Cotoy of the		
3 S2	77 400 - 4			
4 53	allahomus 4	A THE STATE OF THE	half in the same	
a) S1; S3		b) S1; S2; S3	A Charles	
c) S1; S2; S2; S	3	d) S1; S2; S2		
 A loop invaraint nee 	ed not be true			
a) at the start of the			of each iteration	
c) at the end of ea		d) at the start of	of the algorithm	
Symbol for conditio		The Little Little	432	
	b) ::	c) ?:	. d):?	
3. What is the output	or the following s	snippet?		
char ch = 'B'; ch = ch + 1;			and the state of t	
a) A	b) A1	c) C	d) 1C	
. The looping statem		c) C	u) IC	
a) if	b) ifelse	c) switch	d) for	
5. A loop that contain		side its hody		*
a) Nested loop	b) Inner loop	c) Inline loop	d) Nesting	of loop
	DA	RT-II		
A PRIVATE STU & CHI			leon.	6×2=12
L. Answer any 6 questions. Question No.24 is compulsory. 6×2=12 5.: What is the functions of memory?				
7. Convert (1111010110) ₂ into Hexadecimal number.				
7. Convert (1111010.	tion?			
8. What is an instruct 9. What are the differ	rent Operating Sy	vstems used to cor	nouter?	
9. What are the one		ased in con		

XI-COMPUTER SCIENCE

20. Write the specific features of Windows 95.

21. Distinguish between an algorithm and a process.

22. What is meant by a token? Name the token available in C++.

Determine which of the following are valid constant? And specify their type.
 i) 0.5
 ii) '\t'
 d) iv) 27,822

Write any two rules for using which statement in C++.

PART-III

III. Answer any 6 questions. Question No.33 is compulsory.

6×3=18

Write short note on impact printer.

What is radix of a number system? Give example.

27. How will you differentiate a flash memory and an EEPROM?

28. Write a note on Multiprocessing.

29. Write anote on the elements of a window.

30. How is state represented in algorithms?

31. How relational operators and logical operators are related to one another?

32. Write a C++ program to print multiplication table of a given number.

33. What are the four important steps to follow for creating and executing a C++ program?

PART-IV

IV. Answer in detail.

5×5=25

34. a) Explain the basic components of a computer with a neat diagram. (OR)

b) a) Add (1101010)₂ + (101101)₂ b) Subtract (1101011)₂ - (111010)₂

35. a) Explain the types of ROM. (OR)

b) Explain the concept of a Distributed Operating system along with its advantages

36. a) Write the procedure to create shortcut in Windows OS. (OR)

b) Exchange the contents: Given two glasses marked A and B. Glass A is full of apple drink and glass B is full of grape drink. For exchanging the contents of glasses A and B, represent the state by suitable variables, and write the specification of the algorithm.

37. a) Assume an 8×8 chess board with the usual coloring, "Recoloring' operation changes the color of all squares of a row or a column. You can recolor re-peatedly. The goal is to attain just one black square. Show that you cannot achive the goal .(Hint: if a row or column has b black squares, it changes by (|8 - b) - b|)

(OR)

b) Explain the types of errors in C++

38. a) Debug the errors in the following program:

\$ include < iostream>
Using name space std;
int main ();

int num1; num2; sum; cout<<Enter a value"; dn>>num1>>num2 num+num2=sum; cout>>"\n The Sum =">>sum; return;

b) Write a program to find sum of the series

 $S = 1 + x + x^2 + \dots + x^n$.

(OR)