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Time: 2 1/2hrs

6.

a) continue

Note: 1) All questions are compulsory. 2) All questions carry equal marks. Q.1. A State whether the following statements are true or false: 8 The speed of First Generation computer were measured in milli-1. second. 2. PDA can be termed a handheld minicomputer. Hard disk have no moving parts. 3. Operating system provide the interface between the hardware and 4. the user. In flow chart diamond shape is used for input and output. 5. 6. Every C statement must end with period(.). Every C-program ends with closing brace. 7. A while() loop may not be executed even once. 8. B. Select the appropriate option from the following: 1. The speed of computer are measured in Gigaflops. a) Mainframe c) Micro b) Work stations d) Supercomputer 2. The octal number system has a base of a) 2 c) 8 b) 10 d) 16 Which of these is not a programming language. 3. a) C c) C++ b) Linux d) PHP storage classes in C. 4. There are a) 4 c) 3 b) 2 d) 6 The unformatted function used to display a groups characters is 5. a) getchar() c) gets() b) puts() d) putch()

To terminate the loop and take the control out of it we use

c) break

Marks: 75

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		b) case d) exit	
	7.	++y is called	
		a) Post increment c) pre increment	
		b) Pre decrement d) post decrement	
Q.2.	- 8	Answer the following question (Any 3):	15
	a)	Explain the characteristic of the computes.	
	b)	Write short note on: 1) Tablet 2) Laptop	
	c)	Explain how 1's and 2's complement representation of binary	
		number is carried out.	
	d)	I) Convert the following binary number to decimal number: a) (10011) ₂ b) (111000.101) ₂	
		II) Carry out the binary addition for the following binary numbers:	
		a) 1010 + 0101 2) 1111 + 1111 3) 10010 + 11010	
Q.3		Answer the following question (Any 3):	15
	e)	Explain different characteristics of interpreter and compiler.	
	f)	What do you mean by flowchart? Explain different symbols with their function.	
	g)	Write an algorithm and draw flowchart for:	
		Input the number and check if it is even or odd.	
	h)	Write an algorithm and draw flowchart for:	
		Display sum of 1 to 1 numbers.	
Q.4		Answer the following question (Any 3):	15
	i)	Which are the different types of data types in C program? Explain each with syntax and example.	
	j)	Write a C program to input three numbers .Find sum and average	
		and display sum and average.	
	k)	Differentiate between:	
		1) scanf() and gets()	
		2) gets() and puts()	
	1)	What is the output of the following C program?	
		#include <stdio.h></stdio.h>	
		void main()	
		{ Int b=546;	
		float a=-9263.65;	

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printf("%+010.1f%05d\n",a,b); printf("%+09.3f%06d\n",a,b);

Q.5

m)

Answer the following question (Any 3):

15

- Explain nested if...else statement with its format and example. Rewrite the following sequence of if statements using switch() n) If(w==1) printf("Summer \n"); else if(w==2) printf("Autumn \n"); else if(w==3) printf("Winter \n");
- else printf("Spring \n"); Write the program for the following series 0)

2+4+6+....+10

Write C program to input salesmen name sales amount if sales p) amount exceeds 20,000then commission of5% is given if less then 10,000 the then 2% commission is given & if it is between 10,000& & 20,000then commission of 3%.