TIME: 2 Hrs. Marks: 60 All questions are compulsory. Note: 1. 2. Figures to the right indicate marks. Convert the following binary numbers to Hexadecimal Q.1 A. Multiple choice questions. (6) The technology used in third generation computer is Transistors [0101] a. Integrated circuits b. Vaccum tubes Radios In Analog Computers the data is processed in a \_\_\_\_\_ form. c. Nano 3. Which of these operating systems does not provide a graphical user interface? if it is even or odd. . a. Windows XP 1 & religmon to a b. Linux do more lib melga. c. Android Microsoft DOS a. Processing 100 to segret the b. Decision making c. Input Output Break statement takes the control out of the \_\_\_\_\_. a. Program of to 200 as ab stand b. Loop of later and ab year c. Brackets & and ab + yag a d. C language The format character used for representing a single character Give the difference between the following in C langu is\_ a. % s gets () and puts o % c. % d % f Dairy & () lass Match the following: (6) Answer the folgwing questions : (Any 2) Speed in nano - second Mega Hertz (MHz) 1. 2. Micro computers Millions cycles per second Third Generation Carriage return Unformatted Input Functions Inventory Control 4. 5. \r Laptops mus ried & 6. Application Software getchar() Answer the following questions: (Any 2) (12)Explain in brief basic components of digital computer.

Give the difference between the following:

Mainframe computers & Super computers 3. Desktop computers & Notebook or Laptops.

1. Analog & Digital computers

B.

60	C.	1. (111011) <sub>2</sub>	arH	2:3	TIME
		2 (11.011)			
		questions are compulsory.			Note
				2.	
		1. (11011) <sub>2</sub> anoltzeup soiodo elgitis		.A	1.0
		The technology used in third generation compute (11.010) <sub>2</sub>	1.		
		a. Integrated circuits b. Trans (0101.0101) .c.			
Q.3	An	swer the following questions: (Any 2)	2.		(12)
	A.	What is an operating System? Explain different functions of		4-	
		Operating System.			
	B.	Draw the flowchart & write the algorithm to input a number & chec	ck		
		if it is even or odd. * Special second secon			
	c.	Explain different Characteristics of compiler & interpreter.			
		c. Android d. Microsoft DOS			3
Q.4	An	swer the following questions: (Any 2) and agade bromain and			(12)
	A.	What is string constant? Explain all types of constants with one			9 6
		example in details.			
	B.	Write a program to input the basic pay & Calculate & display basic	3		
		pay, da, hra, total pay & tax where da as 60% of basic pay, hra as			
		25% of basic pay, total as basic pay + da +hra & tax as 10% of the			c
1		The format character used for representing a single cl. yaq latot	9		
	C.	the following in Clanguage			
		1. gets () and puts ()			
		2. scanf() & printf()			
į.		3. getch () & putch ()			
Q.5	A	nswer the following questions: (Any 2)			(12)
	A		.1		
	В	. Write the program in C to input an number & check if it divisible			
		Third Generation Carriage 17 bns 8 yd			
	C	. Write the program in C to display all even numbers from 1 to 100	4		,
		& their sum. godgs.l			
		. Application Software getchar()	6		
		****			
(12		er the following questions: (Any 2)	nsw	Α	× Q.2

A. Explain in brief basic components of digital computer.