Bhartiyam International School Pre-Mid Term Assessment (2022-23)

Subject: Computer Science Class: XI

	02/08/2022 e:	Roll No:	M.M: 40 Duration: 90 Mins
1. Fill in the blanks			(1 x 5=5 Marks)
	or one after another.	means the capacity to perforr	m various types of work simultaneously
b) I	Device drivers and langu	age are the types of	software.
-	to co	nvert to octal number.	number should be divided by number
		101001, the rightmost bit is c	
e)]	The NAND and NOR log	ical gates are called	gates.
2. Dra	w the <i>Symbol</i> and <i>Tr</i>	ruth Table for 2-inputs, fo	or the below Logical Gates.
			(2 x 5=10 Marks)
8	a) AND Gate	b) OR Gate	c) NAND Gate
Ċ	l) XOR Gate	e) XNOR Gate	
	rt answer type quest		(2 x 5=10 Marks)
1) What is software? Lis	t different types of software .	
C	e) Write any four function	ons of the operating system ?	
(d) Convert (A35.D6) $_{16}$ to its decimal equivalent by multiplication method.		
(e) Convert (18.765625)1	o to Hexadecimal by division	n method.
4. Lon	g answer type questi	ons.	(5 x 3=15 Marks)
ä	a) Prove and state <i>Idem</i>	potent Law and Absorption I	<i>Law</i> with the help of Truth Table.
1) Draw a logic circuit fo	or XNOR operation (A \oplus B) us	sing NAND gates.
0	e) Draw a Boolean circu	it for the expression, F=AB+I	BC(B+C).