MIS	G.C.E. (A/L) ICT Number Systems	
ICT COLLEGE #74, Sabapathy Lan	e, Jaffna, Sri Lanka. 077 6577359	R.Kumaran – B.Sc.
	Answer all the questions	<u> </u>
01. Write down the follo	owings in binary form. Show calculations.	
(a) 54 ₁₀	(b) 17 ₁₀	
02. Write down the follo	owings in decimal form. Show calculations.	
(a) 1101 ₂	(b) 10111 ₂	
	C'H	
03. Write down the follo	owings in octal form. Show calculations.	
(a) 108 ₁₀	(b) 76 ₁₀	
M Write down the follo	owings in decimal form. Show calculations.	
(a) 44 ₈	(b) 23 ₈	

05.	Write down the	followings in	hexadecimal form	. Show calculations.
-----	----------------	---------------	------------------	----------------------

(a) 106₁₀

(b) 54₁₀

06.	Write down the followings in decimal form.	Show calculations.	
	(a) 101 ₁₆	(b) A23 ₁₆	

07.	Write down the followings in binary form. Sh	ow calculations
	(a) AC ₁₆	(b) 2F ₁₆

- **08.** Write down the followings in binary form. Show calculations.
 - **(a)** 123₈

(b) 564₈

09. Write down the followings in hexadecimal form. Show calculations.(a) 10101011₂(b) 110100101₂

 10. Write down the followings in octal form. Show calculations. (a) 10101011₂ (b) 110100101₂
 11. Write down the followings in 1's complement 8-bits method. Show calculations. (a) 810 (b) -910
12. Write down the followings in 2's complement 8-bits method. Show calculations.
(a) 8_{10} (b) -9_{10}
13. Write down the value of $(9_{10} + 4_{10})$ in 1's complement 8-bits method. Show calculations.
14. Write down the value of $(9_{10} + 4_{10})$ in 2's complement 8-bits method. Show calculations.

15. Wr	ite down the valu	ue of $(9_{10} - 4_{10})$ in	l's complement 8-l	bits method. S	Show calculations.
--------	-------------------	------------------------------	--------------------	----------------	--------------------

14. Write down the value of $(9_{10} - 4_{10})$ in 2's complement 8-bits method. Show calculations.

15. Write down the value of $(7_{10} + 5_{10})$ in 2's complement 4-bits method. Show calculations.
