

Quiz I; Sec_46_C

Summer_2026

Digital Electronics and Logic Design (SE213)

Time: 40 mins

Mark: 15

ID: 253-35-294

Section: C (46)

Date: 15.06.2026

1.	Find Binary Arithmetic subtraction as the following below: i) $110111 - 10111$ (2's complements)	2
	ii) (1's complements) a) $101011 - 110101$; b) $110001 - 10000$	4
2.	Convert the following the numbers: i) $(FC9.1001)_{16} = (?)_{10}$; ii) Convert the following number by weight method: $(280)_{10} = (?)_2$ iii) Find the complement number as following : $(47)_{10} = \text{Complement?}$	6
3.	Implementation of AND, OR, and NAND operations by using NOR gates.	3