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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 : $(47)_{10}$ = Complement?	6
3.	Implementation of AND, OR, and NAND operations by using NOR gates.	3