National University of Computer and Emerging Sciences, Lahore Campus

	Course:	Digital Logic Design	Course Code:	EE1005
	Program:	BCS-2E	Semester:	Spring 2024
	Date:	22-Feb-24	Total Marks:	20
	Exam Name:	Quiz-1	CLO:	1,2
			Section:	BCS-2E
	Roll No:		Time allowed:	10 minutes

Question#1 [CLO-01]: Convert $(367.8125)_{10}$ to ( )$_5$. Show complete working.

wrong

3032.4012

2132.4012

decimal part wrong

$$
\begin{array}{r|l}
5 & 367 \\
\hline
5 & 73 \quad 2 \\
\hline
 & 15^{14} \quad 3 \\
\hline
 & 3_2 \quad 0^4
\end{array}
$$

. $8125 \times 5 = 4.0625$

$.0625 \times 5 = .3125$

$.3125 \times 5 = 1.5625$

$5625 \times 5 = 2.8125$

$4012.$