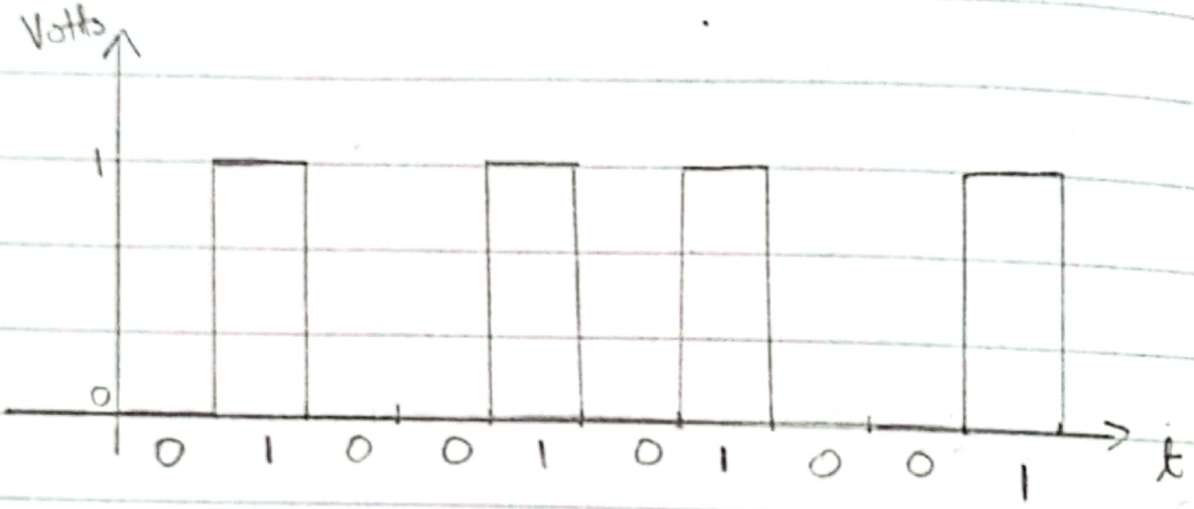
Bilal Ahmed Khan ; 20K-0183 ; Sec: B

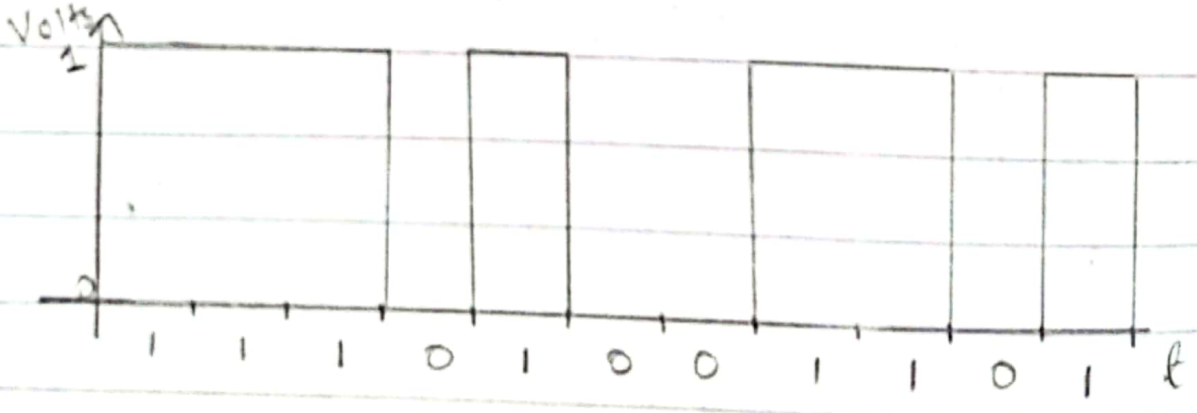
# DLD - ASSIGNMENT

## Question 01

a) 0100101001




b) 1110100110 1

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# QUESTION 02

$$\underset{4\ 2\ 1}{1\ 1\ 0} = 6$$

From top to bottom

$$\underset{128\ 64\ 32\ 16\ 8\ 4\ 2\ 1}{0\ 0\ 0\ 1\ 0\ 0\ 0\ 0} = 16$$

$$\underset{128\ 64\ 32\ 16\ 8\ 4\ 2\ 1}{1\ 1\ 1\ 1\ 0\ 1\ 1\ 1} = 247$$

$$\underset{128\ 64\ 32\ 16\ 8\ 4\ 2\ 1}{1\ 1\ 1\ 1\ 0\ 1\ 1\ 0} = 246$$

$$\underset{128\ 64\ 32\ 16\ 8\ 4\ 2\ 1}{1\ 1\ 1\ 1\ 1\ 0\ 1\ 1} = 251$$

$$\underset{128\ 64\ 32\ 16\ 8\ 4\ 2\ 1}{1\ 0\ 1\ 0\ 0\ 0\ 1\ 1} = 163$$

# QUESTION 03

a) 0.6 lls

b) 0.6 lls

c) 2.7 lls

d) 10 Volts

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