Introduction to Digital Computing

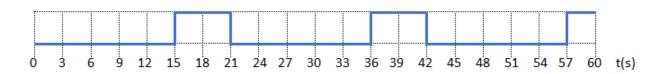
Homework 11 – Digital Clock

Question 1 to 3

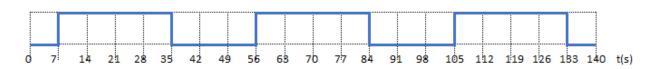
For the following pulse, find:

- a. Period
- b. Frequency
- c. Duty cycle

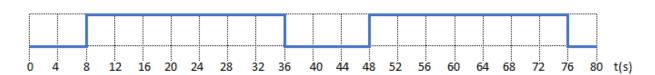
1)



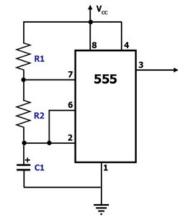
2)



3)



Question 4 to 6



For the following 555 timer, find:

- a. Period
- b. Frequency
- c. Duty cycle

Given:

- 4) R1 = 300 Ω , R2 = 150 Ω , and C1 = 0.5 F
- 5) R1 = 160 Ω, R2 = 560 Ω, and C1 = 0.01 F
- 6) R1 = 460 Ω, R2 = 320 Ω, and C1 = 0.05 F

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