1(d) $f_1(t) = \sum_{n=1,3,5}^{N} \frac{\sin(nt)}{n}$

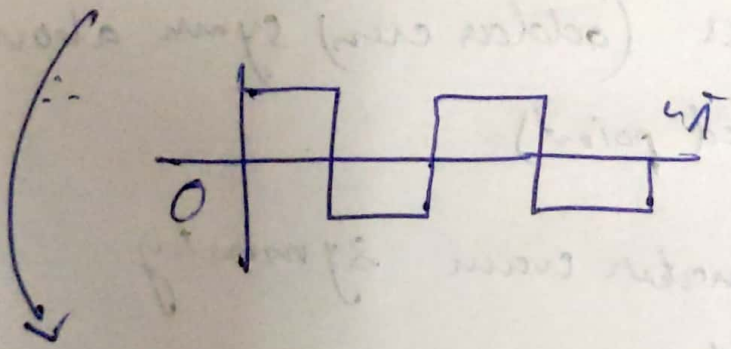
& $f_2(t) = \sum_{n=1,3,5}^{N} \frac{\sin(nt)}{n}$

I would replace sin by cos to obtain a even function

(e)

duty cycle is 50%.

$D = 50\% = \frac{1}{2}$ If D & A are given then



$f_1(t) = \sum_{n=1,3,5}^{N} A \frac{\sin(n\pi 2D)}{n}$ → If would multiple f with 2D

& $f_2(t) = \sum_{n=1,3,5}^{N} A \left(\frac{\sin(n\pi 2D)}{n}\right)$