CT-Assignment3

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a)

Oct) = O(0) + 27 kg function

As there is no effect in the plot of co) =0

S(e) = 27 kg function

As meti -> sinusoidal

So, B(t) = prin (refer t)

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So, B=4 = 540 =) 37 (approx)

B=ST -> modulation index.

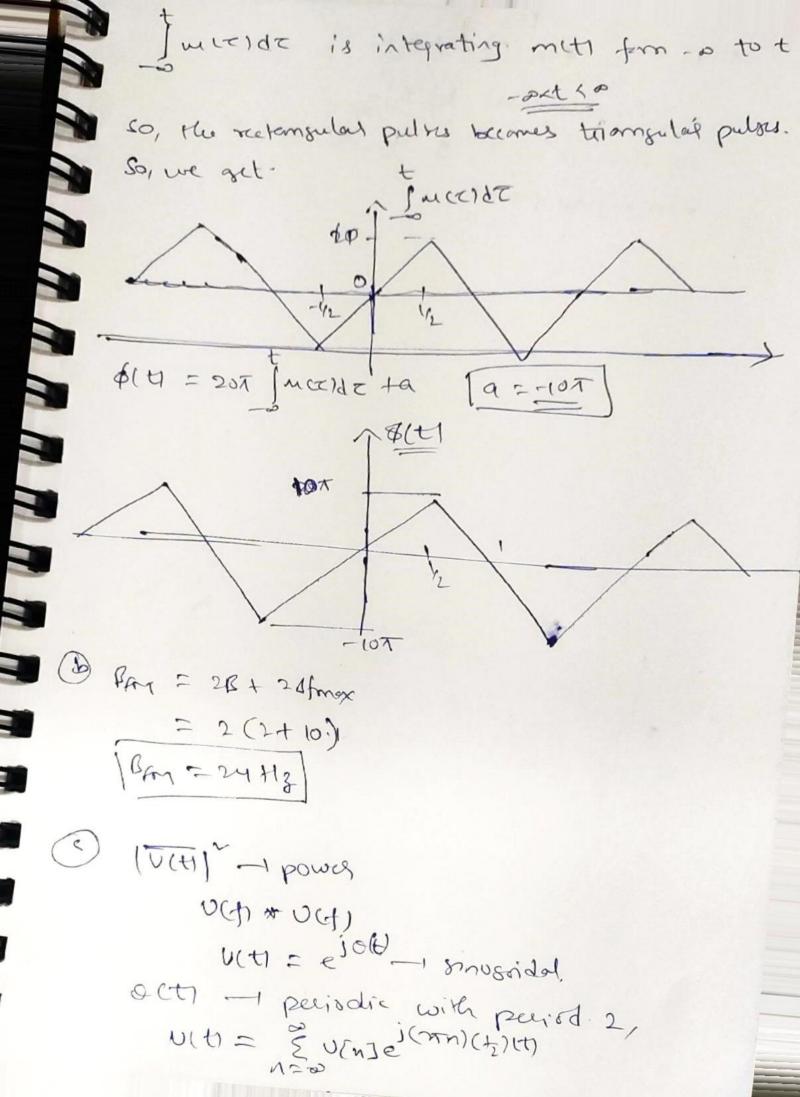
The = 5 xio³ -> from plot.

(c) causon's formula,

Ifon = 2p (p+1)

= 2/3 (3/1)

[Bfon = 104.24 KHz Coppose)



v(f) = \(\int_{\inlii}}}}}}}\in\int_{\inlii}}\int_{\int_{\int_{\int_{\inlii}\lint_{\int_{\int_{\int_{\inlii}}\int_{\int_{\int_{\int_{\int_{\int_{\int_{\int_{\int_{\int_