Fall Screeter 2020-2021 Continuous Assessment tost - II

Subject: Furdamental of Electrical and Electronics Engineering (EEE 1024)

Name: Prashanth:5 (MHIDOO20)

F3 AB + BC

FÞ	AB +	- <u>B</u> C			BC	AB	F=) AB+BC
A	6 O O O O O O O O O O O O O O O O O O O	C 0 1 0 1 0 1 0 1	B 1 0 0 1 1 0 0	0 1 0 1 0	BC 1 0 0 0 0 0 0 0 0 0		
				-			

$$V_{3} = V_{2}(t) + V_{3}(t) + V_{3}(t) + (2008 (600 \pi t + 400))$$

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$$V_{3} = V_{2}(t) + V_{3}(t) + (2008 (600 \pi t + 400))$$

$$\Rightarrow 10 [30] + 20 [90]$$

$$\Rightarrow 10 [08(30) + i \sin(30)] + 20 [\cos(90) + i \sin(90)]$$

$$\Rightarrow 10 [08(30) + i \sin(30)] + 20 [\cos(90) + i \sin(90)]$$

$$= \frac{10 \left[\frac{000(30)}{10} \right]}{10 \left[\frac{5}{2} + i \left(\frac{1}{2} \right) \right]} + \frac{20 \left[0 + i \left(\frac{1}{10} \right) \right]}{10 \left[\frac{5}{2} + i \left(\frac{1}{2} \right) \right]}$$

$$\Rightarrow \sqrt{(8.660)^2 + (25)^2} + \tan^{-1}\left(\frac{25}{8.660}\right)$$

$$I_1 5 - 25j(I_1 - I_2) = 60 L^{30}$$

$$I_1 = 25j(I_1 - I_2) = 30J_3 + 30i \rightarrow 0$$

$$-(I_2-I_1)^{25}j$$

$$-25\frac{1}{3}(I_{2}-I_{1}) - 15\frac{1}{3}I_{2} - 10 \Rightarrow 0 \qquad 10[180 \Rightarrow 10(683(80) + i \sin (60))]$$

$$-25\frac{1}{3}(I_{2}-I_{1}) - 15\frac{1}{3}I_{2} \Rightarrow 10 \Rightarrow 2 \qquad \Rightarrow 10[-1+0]$$

$$5I_{1} - 25\frac{1}{3}I_{1} + 25\frac{1}{3}I_{2} \Rightarrow 30\overline{13} + 30\overline{13}$$

$$I_{1}(5-25\frac{1}{3}) + I_{2}(25\frac{1}{3}) \Rightarrow 30\overline{13} + 30\overline{13}$$

$$I_{1}(25\frac{1}{3}) + I_{2}(-25\frac{1}{3} - 15\frac{1}{3}) \Rightarrow 10$$

$$I_{1}(25\frac{1}{3}) + I_{2}(-40\frac{1}{3}) \Rightarrow 10$$

$$I_{1}(25\frac{1}{3}) + I_{2}(-40\frac{1}{3}) \Rightarrow 10$$

$$I_{1}(25\frac{1}{3}) + I_{2}(-40\frac{1}{3}) \Rightarrow 10$$

$$I_{1}(25\frac{1}{3}) \Rightarrow I_{2}(40\frac{1}{3}) \Rightarrow 10$$

$$I_{2}(25\frac{1}{3}) \Rightarrow I_{3}(40\frac{1}{3}) \Rightarrow 10$$

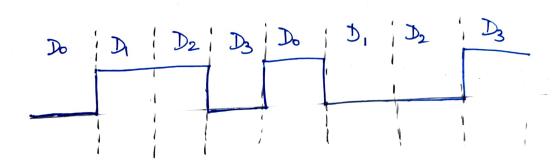
$$I_{1}(25\frac{1}{3}) \Rightarrow I_{2}(40\frac{1}{3}) \Rightarrow 10$$

$$I_{2}(25\frac{1}{3}) \Rightarrow I_{3}(40\frac{1}{3}) \Rightarrow 10$$

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$$I_{2}(25\frac{1}{3}) \Rightarrow I_{3}(40\frac{1}{3}) \Rightarrow$$

5) b)

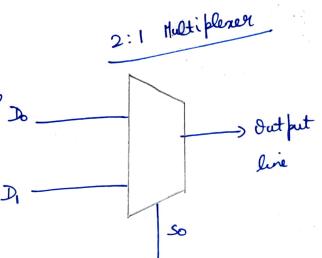


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2 intext

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Solution lines

* The relation line will select among the 2 infact buts which will go the out put.

When so is 0, the output is Do

When so is 1, the output is D,

$$A91.2_{16} \geqslant (1010 1001 0001.0010)_{2}$$