Lista 01 – 2018

1 –

|  |  |
| --- | --- |
| a) = = 0.10610 MA/Wb  = = 1.0168 MA/Wb | b) ɸ = = 1.1087e-004 Wb |
| c) λ = N ɸ = 9.2023 mWb | d) L = = 6.1349 mH |

2-

|  |  |
| --- | --- |
| a) N= ≈ 110 | b) I = = 16.6389 A |

3-

|  |  |
| --- | --- |
| a) µ = 730.13 | b) I = = 65.85 A |

4-

|  |  |
| --- | --- |
| a) | b) |

5-

|  |  |
| --- | --- |
| a) I = = 4.0710 A | b) = 1011.5  I = 4.4627 A |

6-

g = = 0.3527 mm

7-

|  |  |
| --- | --- |
| a)23 cm  = 1.2 c | b)= = 13.263 MA/Wb  = = 2.0379 MA/Wb |
| c) L = = 276.1 H | d) I = = 38.134 A |
| e) λ = N = 10.53 mWb |  |

8-

L = = 30.48 mH

9-

|  |  |
| --- | --- |
| a) E = 4.44 V | b) = 1.6705 A |
| c) W = |  |

10-

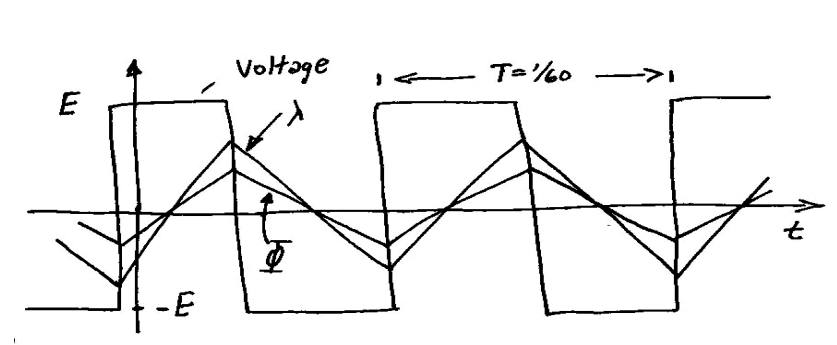
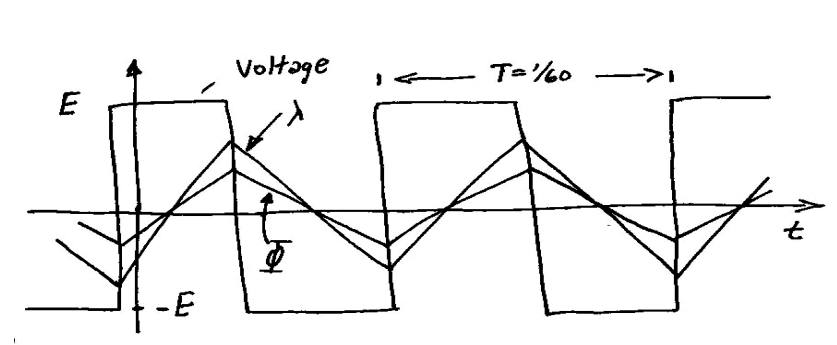
|  |  |
| --- | --- |
| a) L = = 12.7 mH | b) Vol ≈ = 39.97  W = Vol = 48.707 MJ |
| c)  v = l = 37.11 V |  |

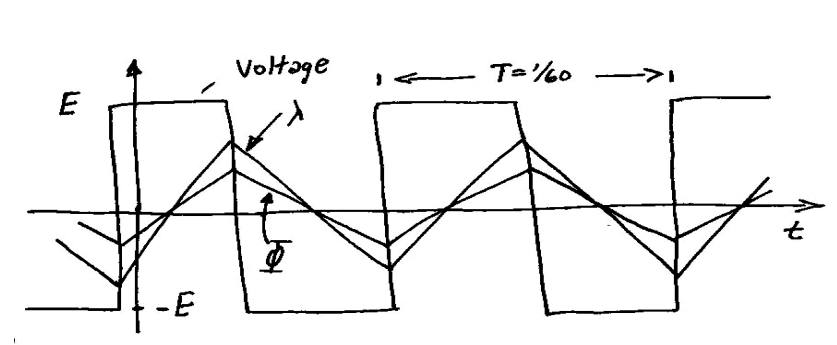
11-

|  |  |
| --- | --- |
| a)  i)  ii)  iii) | b)  i)  ii)  iii) |
| c)  i)  ii)  iii) | d) |

12-

a)

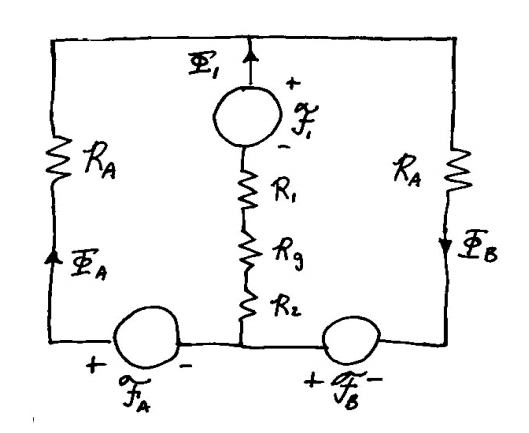
11HHhh



b)

= 345 V

13 –



a), , ,

b)

c)

14-

|  |  |
| --- | --- |
| a) | b) |

15-

16-

|  |  |
| --- | --- |
| a) | b) |