Lista 03 – 2018

1 –

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

2-

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

3-

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

4-

g = = 0.3527 mm

5-

|  |  |
| --- | --- |
| 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 |  |

6-

L = = 30.48 mH

7-

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

8-

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

9 –



a), , ,

b)

c)

10-

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