

UE18EC201

Network Analysis and Synthesis

Assignment II: Transient Behaviour

Deadline: 05 October 2019, 1300 Hours

1. Problems from [1]:

- (a) Chapter 4: 4-1, 4-3, 4-4, 4-6, 4-7, 4-12, 4-13, 4-16.
- (b) Chapter 5: 5-1, 5-3, 5-5, 5-6, 5-8, 5-13, 5-15, 5-18.
- (c) Chapter 6: 6-3, 6-5, 6-9, 6-11, 6-14, 6-15, 6-18.
- (d) Chapter 7: 7-22, 7-24, 7-30, 7-35, 7-37, 7-42, 7-43.

2. Practice problems from [2] (These problems are available in the accompanying documents.):

- (a) Chapter 7: 1 through 7.
- (b) Chapter 8: 1 through 7, 9 through 13.
- (c) Chapter 9: 1 through 10.

3. Reading assignment from [2] (Available in the accompanying documents.):

- (a) Section 8.9.

References

- [1] M. E. Van Valkenburg, *Network Analysis*, 3rd Edition, Prentice Hall, 1975 (PHI/Pearson Education (Indian Edition), 2015).
- [2] W. H. Hayt, Jr., J. E. Kemmerly, and S. M. Durbin, *Engineering Circuit Analysis*, 8th Edition, McGraw-Hill, 2012.