**DAILY ASSESSMENT FORMAT**

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| **Date:** | **2 JUNE 2020** | **Name:** | **Sampatkumar n m** |
| **Course:** | **LOGIC DESIGN** | **USN:** | **4AL19EC401** |
| **Topic:** | **1.NETWORK THEOREMS**  **2.RESONANCE** | **Semester & Section:** | **IV SEM & A SECTION** |
| **Github Repository:** | **Sampatkumar1** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  There are three topics focused today. They are;  Topics focused today is:  1.network theorem:  1. Superposition theorem  2. thevinens theorem  3. reciprocity theorem  4. milmens theorem  2.Resonance and Bandwidth  Series RLC circuit:  1.Resonance in the RLC circuit  2.Quality factor  3.Bandwidth of the series resonant circuit  4.Derivation for the expression of resonant frequency  5.Derivation of bandwidth of the series resonant circuit  6.Expression of the Quality factor in terms of the circuit parameter.  Parallel RLC circuit:  1.Resonance condition in Parallel RLC Circuit  2.Derivation of resonant frequency for Parallel RLC Circuit  3.Understanding the Resonant curve for Parallel RLC Circuit  4.Quality Factor of parallel Resonant circuit  5.Bandwidth of Parallel Resonant Circuit and its derivation  6.Current Magnification in Parallel Resonant Circuit |