**EEE – 4483**

Assignment – 3

**Guidelines**

1. There should be a top sheet mentioning your name, student ID, course ID, date of submission, department, IUT logo etc.
2. The submitted file should be in .PDF format.
3. Draw the necessary block and circuit diagrams.
4. Do no skip any steps. Try to elaborate (algebraic expressions) as much as possible.

**Questions**

For phase shift oscillators (Lecture-12) derive the final expression of loop gain. Then find the condition or minimum requirement to start oscillation.