**Assignment 5**

1. Explain the different types of standard test signals with the help of required mathematical expressions.
2. Find the time response of first order system to the following types of input. Also explain the response curve with the help of a neat sketch
3. Unit step input
4. Unit ramp input
5. Unit impulse input
6. Find the time response of second order system to the following types of input. Also explain the response curve with the help of a neat sketch
7. Unit step input
8. Unit ramp input
9. Unit impulse input