

Department of Electronics & Communication Engineering

Faculty of Engineering, Integral University, Lucknow

Assignment Sheet 4

Mechatronics (IEME-024)

Faculty : Shrish Bajpai

Problems : 05

Due Date : Nov 18, 2014 (Tentative)

1. Draw the bode plot of transfer function

$$G(s)H(s) = \frac{10000}{s(s+1)(s+20)(s+50)}$$

2. Draw root locus of the following function

$$G(s)H(s) = \frac{100(s+1)(s+100)}{(s+10)(s+20)}$$

3. How many different type of robots are used in today real world.
4. What do you mean by realilby ? Explain it in detail.
5. Write different advantages of negative feedback.