

**ASSIGNMENT: 1 DIFFERENTIAL MULTISTAGE OP-AMP**

1. Define: (i) Input offset voltage  
(ii) Input bias current  
(iii) PSRR  
(IV) SVRR
2. Classify the types of negative feedback and explain each in brief.
3. State the characteristics of the ideal Op-amp.
4. Describe the phenomenon of common mode rejection ration (CMRR).
5. Draw a practical inverting amplifier and derive expressions for closed loop voltage gain, input resistance, output resistance.