

**DEPARTMENT: ELECTRICAL** 

SEMESTER: 3<sup>RD</sup>

**SUBJECT NAME: ANALOG AND DIGITAL ELECTRONIC** 

SUBJECT CODE: 3130907 FACULTY NAME: SUNIL PATEL

## **ASSIGNMENT: 2 LINEAR APPLICATION OF OP-AMP**

- 1. What do you mean by slew rate in an OP-AMP? Also mention about causes of slew rate and explain its significance in applications.
- 2. Describe with the help of neat diagram the operation of an instrumentation amplifier using three basic op-amps.
- 3. Distinguish between Ideal and Practical OP-AMP.
- 4. Discuss differentiator circuit using Op-amp.
- 5. How OP-AMP can be used as a difference amplifier?

