Subject code: PC403EC Semester: 2nd

Subject name: Analog Electronics ACY: 2022-2023

CLASS TEST-2

1. Answer all questions from part-A
2. Answer all questions from part-B

PART-A

1. Explain the DC and AC characteristics of an ideal OP-AMP. How do these characteristics influence the performance of electronic circuits?
2. Differentiate between inverting and non-inverting amplifiers. Provide a brief description of their applications in electronic circuits.
3. Discuss the operational principles and applications of an integrator and a differentiator using an OP-AMP.

PART-B

1. Explore the DC and AC characteristics of an ideal OP-AMP. How do these characteristics impact the performance of electronic circuits utilizing OP-AMPs?
2. Differentiate between inverting and non-inverting amplifiers. Illustrate with examples their applications in electronic circuits.
3. Discuss the operational principles and applications of an integrator and differentiator circuits using OP-AMPs. How are these circuits useful in electronic systems?