Subject code: PC403EC Semester: 2nd

Subject name: Analog Electronics ACY: 2022-2023

CLASS TEST-1

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

PART-A

1. Describe the concept of avalanche breakdown in a diode. How is it different from Zener breakdown?
2. Explain the characteristics of a JFET (Junction Field Effect Transistor) and discuss one of its major applications.
3. Compare and contrast fixed bias and self-bias configurations in transistor biasing. Highlight the advantages and disadvantages of each.

PART-B