Shri Vile Parle Kelavani Mandal’s

**SHRI BHAGUBHAI MAFATLAL POLYTECHNIC**

**Course:** Computer Graphics **Program:** Computer Engineering

**Course Code:** CGR198920 Submission **Date:** 24-Apr-2023

**Semester:** IV

**Periodic Test 1 Weak Student Assignment(<=12 marks)**

Q1 Write the steps for Bresenhams Line drawing algorithm. Explain with an example

Q2 Write the steps for DDA Line drawing algorithm. Explain with an example

Q3 Write the steps for DDA circle drawing algorithm. Explain with an example

Q4 Write the steps for Bresenhams circle drawing algorithm. Explain with an example

Q5 Write the steps for Midpoint circle drawing algorithm. Explain with an example

**Periodic Test 1 Average Student Assignment(>=13 and <18 marks)**

Q1. Describe the techniques for antialiasing with example

Q2. Write the steps for Bresenhams Line drawing algorithm. Explain with an example

Q3. Write the steps for Midpoint circle drawing algorithm. Explain with an example

**Periodic Test 1 Bright Student Assignment(>18 marks)**

Q1. Using midpoint circle drawing algorithm generate points of all quadrants for a circle with radius 8

Q2. Using DDA line drawing generate points of a line from (19, 9) to (29, 17) and plot line .