**BRAC University (Department of Computer Science and Engineering)**

**CSE 470 (Software Engineering) | Summer 2023**

**Quiz 5 (Set B)**

**Full Marks: 10 Duration: 20 minutes**

**Name: Student ID: Section:**

1. Draw CFG diagram for the given code segment. **[5 marks]**

2. Calculate Cyclomatic Complexity. **[1 marks]**

3. State Basic Path Sets. **[1 marks]**

4. Generate test cases for each of the paths. (just mention the x and n values) **[3 marks]**

**x=5**

**n=2**

**while x>n and x>0:**

**x = x-1**

**y = x+3**

**z = y-5**

**if x == 7:**

**print(“Lucky Seven”)**

**elif x == 13:**

**print(“Unlucky Thirteen”)**

**elif x == 16:**

**print(“Sweet Sixteen”)**

**print(“THE END”)**