BRAC UNIVERSITY Department of Computer Science and Engineering

Examination: Quiz 3
Semester: Fall 2024

Duration: 30 minutes Full Marks: 15

CSE 470: Software Engineering

Name:

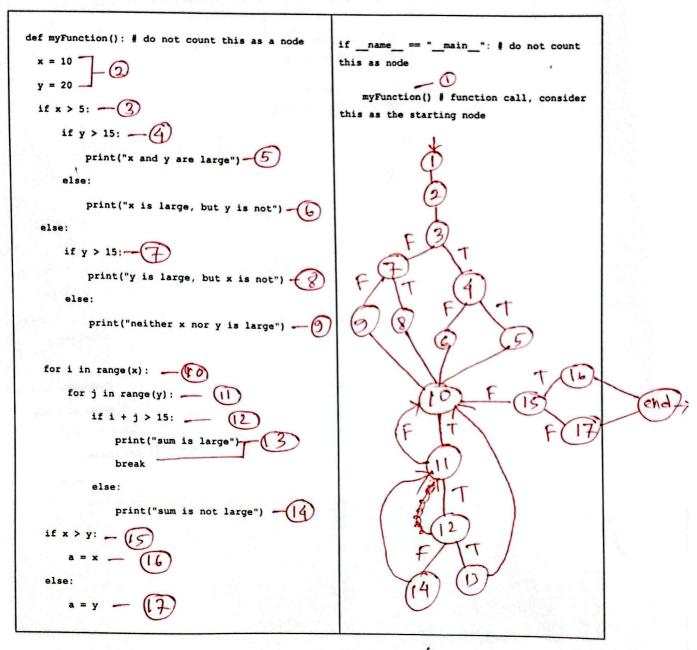
ID:

Section:

1. Write down the singleton class with a driver code. [5] [CO3]

2. Consider the program and draw the CFG of the following method. What should the cyclometric complexity of the code be using three formulae? Show the node identification in question. [5+3] [CO4]

3. Generate a test case using only one independent path. [2] [CO4]



$$24-18+2=8(E-N+2P)$$

 $7+1=8(P+1)$
 $7+1=8(P+1)$

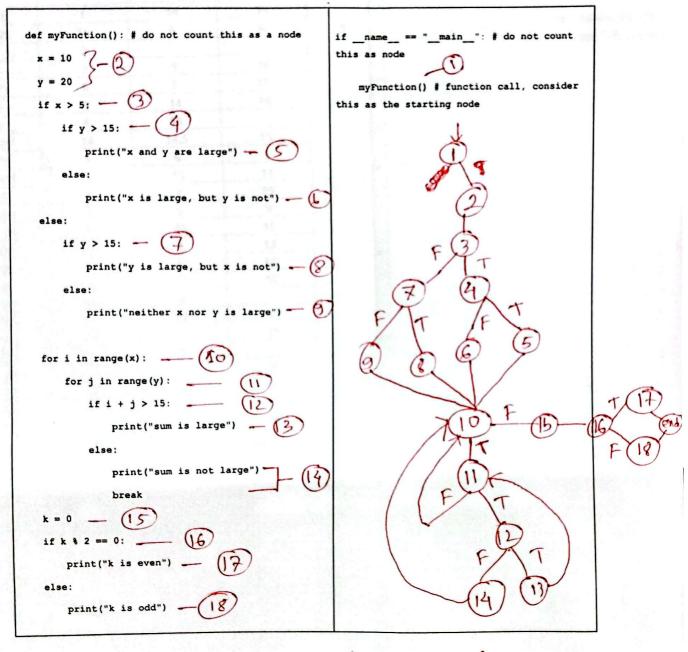
BRAC UNIVERSITY Department of Computer Science and Engineering

Examination: Quiz 3 Duration: 20 minutes
Semester: Fall 2024 Full Marks: 15

CSE 470: Software Engineering

Name: ID: Section:

- 1. Write down the celebrity and fan class from the observer design pattern (without driver code). [5] [CO3]
- Consider the program and draw the CFG of the following method. What should the cyclometric complexity
 of the code be using three formulae? Show the node identification in question. [5+3] [CO4]
- 3. Generate a test case using only one independent path. [2] [CO4]



25-19+2=8 (E-N+2P) 7+1=8 (R+1) 7+1=8 (P+1)