RGM COLLEGE OF ENGINEERING & TECHNOLGY (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Name of the Subject: Python Programming **Class:** II B.Tech. I Sem. (R20)

Branch: Computer Science & Engineering (B & C) **AY:** 2021-2022

Note: Multiple Questions on Operators in Python Programming. Answer with proper explanation.

1. What will be the output of the following Python code snippet if x=1?

x<<2

a) 8 b) 1 c) 2 d) 4

2. What will be the value of x in the following Python expression, if the result of that expression is 2?

x>>2

a) 8 b) 4 c) 2 d) 1

3. What will be the output of the following Python expression?

int(1011)

a) 1011 b) 11 c) 13 d) 1101

4. What will be the output of the following Python expression if x=15 and y=12?

x & y

a) b1101 b) 0b1101 c) 12 d) 1101

5. It is not possible for the two's complement value to be equal to the original value in any case.

a) True b) False

6. What will be the output of the following Python code snippet?

not(3>4) not(1&1)

a) True True b) True False
c) False True d) False False

7. Which of the following statements create a dictionary?

a) d = {}

b) d = {"john":40, "peter":45}

c) d = {40:"john", 45:"peter"}

d) All of the mentioned

8. Explain the output of the following statements if executed subsequently:

(a) 'py' + 'thon'

(b) 'py' * 3 + 'thon'

(c) 'py' - 'py'

(d) '3' + 3

(e) 3 * '3'

9. Explain the output of the following statements:

(a) 1 == 1

(b) 1 == True

(c) 0 == True

(d) 0 == False

(e) 3 == 1 * 3

(f) (3 == 1) * 3

(g) (3 == 3) * 4 + 3 == 1

(h) 3**5 >= 4**4

10. Explain the output of the following statements:

(a) 5 / 3

(b) 5 % 3

(c) 5.0 / 3

(d) 5 / 3.0

(e) 5.2 % 3

(f) 2001 ** 200