

# PYTHON TEST - 1.8 (EXPRESSIONS)

Total points 50/50 

Expressions in Python

**STUDENT NAME \***

VIVA  
.....

✓ 1. In Python, an expression is: \*

1/1

- a) A combination of values and operators
- b) Only variables
- c) Only operators
- d) None



✓ 2. What will be the result of: \*

1/1

$5 + 3 * 2$

- a) 16
- b) 11
- c) 13
- d) Error



✓ 3. Which operator has the highest precedence in Python? \*

1/1

- a) +
- b) \*
- c) \*\*
- d) //



✓ 4. Which of the following is a valid Python expression? \*

1/1

- a)  $10 + (20 * 3)$
- b)  $5 +$
- c)  $* 6 7$
- d)  $7 = 5 + 2$



✓ 5. Expression  $2 ** 3 ** 2$  evaluates to: \*

1/1

- a) 64
- b) 512
- c) 16
- d) Error



✓ 6. What will  $10 / 4$  return? \*

1/1

- a) 2
- b) 2.5
- c) 2.0
- d) 2.25



✓ 7. What will  $10 // 4$  return? \*

1/1

- a) 2
- b) 3
- c) Error



✓ 8. Which operator is used for floor division? \*

1/1

- a) /
- b) //
- c) %
- d) \*\*



✓ 9. The modulus operator (%) returns: \*

1/1

- a) Quotient
- b) Remainder
- c) Power
- d) None



✓ 10. What is the result of  $7 \% 3$ ? \*

1/1

- a) 1
- b) 2
- c) 3
- d) 4



✓ 11. What is the result of  $5 > 3$  and  $2 < 4$ ? \*

1/1

- a) True
- b) False
- c) Error



✓ 12. Which operator is used for logical OR in Python? \*

1/1

- a) ||
- b) or
- c) OR
- d) |



✓ 13.  $\text{not}(5 > 3)$  evaluates to: \*

1/1

- a) True
- b) False



✓ 14. Which of the following returns True? \*

1/1

- a) `10 == 10.0`
- b) `10 is 10.0`
- c) `(10 == 10) and (10 is 10.0)`
- d) None



✓ 15. What is the result of `True + True`? \*

1/1

- a) 1
- b) 2
- c) True
- d) Error



✓ 16. What is the result of `True * 5`? \*

1/1

- a) 5
- b) 1
- c) True
- d) Error



✓ 17. Which operator is used for logical AND? \*

1/1

- a) &&
- b) and
- c) &
- d) All



✓ 18. Which operator checks for object identity? \*

1/1

- a) ==
- b) is
- c) in
- d) :=



✓ 19. Which operator checks membership in Python? \*

1/1

- a) in
- b) is
- c) ==
- d) :=



✓ 20. What is the result of "a" in "apple"? \*

1/1

- a) \*\*
- b) //
- c) %
- d) in



✓ 21. Evaluate: \*  
 $3 + 4 * 2 // 5$

1/1

- a) 3
- b) 4
- c) 5
- d) 6



✓ 22. Which operator has higher precedence? \*

1/1

- a) %
- b) \*
- c) //
- d) Same precedence



✓ 23. Result of  $2 + 3 * 4 ** 2$ : \*

1/1

- a) 50
- b) 200
- c) 14
- d) 194



✓ 24. Which of these is not an arithmetic operator? \*

1/1

- a) \*\*
- b) //
- c) %
- d) in



✓ 25. What is the result of  $9 // 2$ ? \*

1/1

- a) 4.5
- b) 4
- c) 5
- d) 3



✓ 26. What is the result of  $-15 \% 4$ ? \*

1/1

- a) -3
- b) 3
- c) 1
- d) -1



✓ 27. Which expression evaluates to True? \*

1/1

- a)  $5 != 5$
- b)  $5 >= 3$
- c)  $10 < 5$
- d) None



✓ 28. In  $a = 5; b = 5; a \text{ is } b$ , result is: \*

1/1

- a) True
- b) False
- c) Error



✓ 29. Expression  $(3 < 4) \text{ or } (5 < 2)$  returns: \*

1/1

- a) True
- b) False



✓ 30. Which of the following is valid? \*

1/1

- a)  $x = 5$  and 3
- b)  $x = (5$  and 3)
- c) Both a and b
- d) None



✓ 31. What does  $x += 5$  mean? \*

1/1

- a)  $x = x + 5$
- b)  $x = x - 5$
- c)  $x = 5$
- d) None



✓ 32. Which of the following is NOT an assignment operator? \*

1/1

- a)  $=$
- b)  $+=$
- c)  $:=$
- d)  $==$



✓ 33. The walrus operator (:=) is used for: \*

1/1

- a) Comparison
- b) Assignment inside expressions
- c) Multiplication
- d) None



✓ 34. What is the result of: \*

1/1

```
x = 10
x *= 2 + 3
print(x)
```

- a) 20
- b) 30
- c) 50
- d) Error



✓ 35. Which operator is used for exponent assignment? \*

1/1

- a) ^=
- b) ^=
- c) \*\*=
- d) None



✓ 36. What is the result of: \*

1/1

```
x = 5  
x //= 2  
print(x)
```

- a) 2.5
- b) 2
- c) 3
- d) 5



✓ 37. Which is correct? \*

1/1

- a) = is comparison, == is assignment
- b) = is assignment, == is comparison
- c) Both are assignment
- d) Both are comparison



✓ 38. Which of these is invalid? \*

1/1

- a) x += 2
- b) x =+ 2
- c) x -= 2
- d) x //= 2



✓ 39. Expression (x := 10) does: \*

1/1

- a) Assigns 10 to x
- b) Compares x with 10
- c) Raises Error
- d) None



✓ 40. Which operator is evaluated last? \*

1/1

- a) Arithmetic
- b) Logical
- c) Assignment
- d) Identity



✓ 41. Which operator is bitwise AND? \*

1/1

- a) &&
- b) and
- c) &
- d) %



✓ 42. Which operator is bitwise OR? \*

1/1

- a) ||
- b) or
- c) |
- d) %



✓ 43. Result of 5 & 3: \*

1/1

- a) 1
- b) 7
- c) 2
- d) 0



✓ 44. Result of 5 | 3: \*

1/1

- a) 1
- b) 7
- c) 2
- d) 0



✓ 45. Bitwise XOR operator is: \*

1/1

- a) ^
- b) \*\*
- c) //
- d) %



✓ 46. Result of ~5 in Python: \*

1/1

- a) 4
- b) -6
- c) -5
- d) 6



✓ 47. Expression 5 << 1 gives: \*

1/1

- a) 2
- b) 10
- c) 5
- d) 20



✓ 48. Expression  $8 \gg 2$  gives: \*

1/1

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



✓ 49. Which operator is used for power (exponentiation)? \*

1/1

- a) ^
- b) \*\*
- c) ^^
- d) pow



✓ 50. Which of the following is NOT an expression? \*

1/1

- a)  $x + 5$
- b)  $x = 10$
- c)  $10 * (3 + 2)$
- d)  $5 > 3$



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