**Section 3.2 Common Python Functions**

3.1 What is max(3, 5, 1, 7, 4)?

A. 1

B. 3

C. 5

D. 7

E. 4

D

Answer parsing：D

3.2 What is min(3, 5, 1, 7, 4)?

A. 1

B. 3

C. 5

D. 7

E. 4

A

Answer parsing：A

3.3 What is round(3.52)?

A. 3.5

B. 3

C. 5

D. 4

E. 3.0

D

Answer parsing：D

3.4 What is round(6.5)?

A. 4

B. 5

C. 6

D. 7

E. 8

C

Answer parsing：C

3.5 What is round(7.5)?

A. 4

B. 5

C. 6

D. 7

E. 8

E

Answer parsing：E

3.6 Is pow(a, b) the same as a \*\* b?

A. Yes

B. No

A

Answer parsing：A

3.7 What is math.degrees(math.pi / 2)?

A. 0.0

B. 90.0

C. 45.0

D. 30.0

B

Answer parsing：B

3.8 What is math.radians(30) \* 6?

A. 0.0

B. 1.3434343

C. 3.141592653589793

D. 5.565656

C

Answer parsing：C

3.9 What is math.sin(math.pi / 6)?

A. 1.0

B. 1.3434343

C. 3.141592653589793

D. 0.5

C

Answer parsing：C

**Section 3.3 Strings and Characters**

3.10 Which of the following is the correct expression of character 4?

A. 4

B. "4"

C. '4'

BC

Answer parsing：BC

3.11 In Python, a string literal is enclosed in \_\_\_\_\_\_\_\_\_\_.

A. parentheses

B. brackets

C. single-quotes

D. double-quotes

E. braces

CD

Answer parsing：CD

3.12 What is chr(ord('B')))?

A. A

B. B

C. C

D. D

B

Answer parsing：B

3.13 Suppose x is a char variable with a value 'b'. What will be displayed by the statement print(chr(ord(x) + 1))?

A. a

B. b

C. c

D. d

C

Answer parsing：C

3.14 Which of the following statement prints smith\exam1\test.txt?

A. print("smith\exam1\test.txt")

B. print("smith\\exam1\\test.txt")

C. print("smith\"exam1\"test.txt")

D. print("smith"\exam1"\test.txt")

B

Answer parsing：B

3.15 Suppose i is an int type variable. Which of the following statements display the character whose Unicode is stored in variable i?

A. print(i)

B. print(str(i))

C. print(int(i))

D. print(chr(i))

D

Answer parsing：D

3.16 The Unicode of 'a' is 97. What is the Unicode for 'c'?

A. 96

B. 97

C. 98

D. 99

D

Answer parsing：D

3.17 Will print(chr(4)) display 4?

A. Yes

B. No

B

Answer parsing：B

3.18 What will be displayed by print(ord('z') - ord('a'))?

A. 25

B. 26

C. a

D. z

A

Answer parsing：A

3.19 The expression "Good " + 1 + 2 + 3 evaluates to \_\_\_\_\_\_\_\_.

A. Good123

B. Good6

C. Good 123

D. Illegal expression

D

Answer parsing：D

3.20 What will be displayed by the following code?

print("A", end = ' ')

print("B", end = ' ')

print("C", end = ' ')

print("D", end = ' ')

A. ABCD

B. A, B, C, D

C. A B C D

D. A, B, C, D will be displayed on four lines

C

Answer parsing：C

3.21 Which of the following statements is correct?

A. s = "Chapter " + 1

B. s = "Chapter " + str(1)

B

Answer parsing：B

**Section 3.5 Introduction to Objects and Methods**

3.22 What is the type for object 5.6?

A. int

B. float

C. str

B

Answer parsing：B

3.23 Which of the following statements are true?

A. Each object has a unique id.

B. Objects of the same type have the same id.

C. Objects of the same kind have the same type.

D. A variable that holds a value is actually a reference to an object for the value.

ACD

Answer parsing：ACD

3.24 Suppose s = "Welcome", what is type(s)?

A. int

B. float

C. str

D. String

C

Answer parsing：C

3.25 Suppose s is "Welcome", what is s.upper()?

A. welcome

B. WELCOME

C. Welcome

B

Answer parsing：B

3.26 Suppose s is "\t\tWelcome\n", what is s.strip()?

A. \t\tWelcome\n

B. \t\tWelcome\n

C. \t\tWELCOME\n

D. welcome

D

Answer parsing：D

**Section 3.6 Formatting Numbers and Strings**

3.27 The format function returns \_\_\_\_\_\_\_.

A. an int

B. a float

C. a str

C

Answer parsing：C

3.28 To format a number x to 3 digits after the decimal point, use \_\_\_\_\_\_\_.

A. format(x, "5.3f")

B. format("5.3f", x)

C. format(x, "5.4f")

D. format("5.3f", x)

A

Answer parsing：A

3.29 Suppose x is 345.3546, what is format(x, "10.3f")? (note b represents a blank space)

A. bb345.355

B. bbb345.355

C. bbbb345.355

D. bbb345.354

E. bbbb345.354

B

Answer parsing：B

3.30 What will be displayed by the following code? ? (note ? represents a blank space)

print(format("Welcome", "10s"), end = '#')

print(format(111, "4d"), end = '#')

print(format(924.656, "3.2f"))

A. ???Welcome#?111#924.66

B. Welcome#111#924.66

C. Welcome#111#.66

D. Welcome???#?111#924.66

D

Answer parsing：D

3.31 What will be displayed by the following code? ? (note ? represents a blank space)

print(format("Welcome", ">10s"), end = '#')

print(format(111, "<4d"), end = '#')

print(format(924.656, ">10.2f"))

A. ???Welcome#?111#924.66

B. ???Welcome#?111#????924.66

C. ???Welcome#111?#????924.66

D. Welcome???#111?#????924.66

C

Answer parsing：C

3.32 Suppse number contains integer value 4, which of the following statement is correct?

A. print(format(number, "2d"), format(number \*\* 1.5, "4d"))

B. print(format(number, "2d"), format(number \*\* 1.5, "4.2d"))

C. print(format(number, "2d"), format(number \*\* 1.5, "4.2f"))

D. print(format(number, "2f"), format(number \*\* 1.5, "4.2f"))

E. print(format(number, "2.1f"), format(number \*\* 1.5, "4.2f"))

CDE

Answer parsing：CDE

**Section 3.7 Drawing Various Shapes**

3.33 To set the pen size to 5 pixels, use \_\_\_\_\_\_\_\_\_.

A. turtle.setSize(5)

B. turtle.size(5)

C. turtle.pensize(5)

D. turtle.setPenSize(5)

C

Answer parsing：C

3.34 To undo the last turtle action, use \_\_\_\_\_\_\_\_\_.

A. turtle.rollback()

B. turtle.redo()

C. turtle.undo()

D. turtle.remove()

C

Answer parsing：C

3.35 To set a turtle drawing speed to 5, use \_\_\_\_\_\_\_\_\_.

A. turtle.speed(5)

B. turtle.setSpeed(5)

C. turtle.setspeed(5)

D. turtle.velocity(5)

A

Answer parsing：A

3.36 To draw a circle of diameter 10 with filled color red, use \_\_\_\_\_\_\_\_\_.

A. turtle.circle(5, "red")

B. turtle.circle(10, "red")

C. turtle.dot(5, "red")

D. turtle.dot(10, "red")

D

Answer parsing：D