Multiple Choice Questions [24 Marks]

* Circle the best answer for each of the following questions.
* Each question is worth 1 mark

1. What is not a property of a Python string?
   1. A string stores letters a variable stores numbers
   2. A string is a Python data type
   3. A string is defined using quotation marks
   4. A string can contain punctuation marks
2. What is not a property of a Python Booleans?
   1. A Boolean is a Python data type
   2. A Boolean can have a value of True or False
   3. A Boolean can have a value of 0 or 1
   4. An example of a Boolean expression is “5 >= 6”
3. Which of the following expressions is not a valid Python string type?
   1. ‘String’[6]
   2. “String”
   3. “Word”[2]
   4. “True”
4. Which of the following expressions results in a valid Python integer type?
   1. 3/3
   2. 3/4
   3. 3.0 \* 4
   4. 3%3
5. Which of the following expressions results in a valid Python float type?
   1. 5/0.0
   2. 5/1
   3. 5\*1
   4. round(5.0/1)
6. Which of the following expressions the variable ‘Number’ a value of 5?
   1. Number == 5
   2. Number = 5
   3. Number = Five
   4. Number += 4
7. Which of the following expressions is not a valid string operation?
   1. “word” + “Three”
   2. “word” == “Three”
   3. “word”[3]
   4. “word” \* “Three”
8. What is the result of the expression “number = 4” followed by the expression “number >= 4”?
   1. False
   2. True
   3. 4
   4. 5
9. Which of the following expressions evaluates to True?
   1. True and False
   2. True or False
   3. True or False
   4. not(True)
   5. not(True != False)
10. What is not a property of a Python list?
    1. A list is a Python data type
    2. The first item in a list has an index of 1
    3. Items in a list can be accessed using the [] operator
    4. A list can be made up of any combination of Python data types
11. Which expression will correctly read and store a floating point number from the console?
    1. Value = float(print(“Enter a value”))
    2. Float = input(“Enter a value”)
    3. Value = float(input(“Enter a value”))
    4. Value = input(“Enter a Float”)
12. Which expression will correctly read and store an integer number from the console?
    1. Value = int(print(“Enter a value”))
    2. Value = int(input(“Enter a value”))
    3. Integer = input(“Enter a value”)
    4. Value = input(“Enter an Integer”)
13. What is not a property of a Python “if … else …” control statement?
    1. The else statements are executed once if the “if” condition is false
    2. The else statements are repeated until the “if” condition is false
    3. The if statements are executed once if the “if” condition is true
    4. The else statements are not executed if the “if” condition is true
14. What is the main purpose of a Python “if … else …” control statement?
    1. To decide when to execute a block of related Python statements
    2. To repeat the execution of a block of related Python statements
    3. To create a user defined function containing a block of related Python statements
    4. To ask a user questions about which statements to execute
15. Which of the following Python Turtle commands will make the pen blue?
    1. myPen.color(192,64,64)
    2. myPen.color(64,192,64)
    3. myPen.color(64,64,192)
    4. myPen.blue()
16. Which of the following sequence of Python Turtle commands will draw a line?
    1. myPen.up(), myPen.forward(20), myPen.down()
    2. myPen.down(), myPen.line(20), myPen.up()
    3. myPen.down(), myPen.forward(20), myPen.up()
    4. myPen.down(), myPen.shape(“line”), myPen.up()
17. Which of the following is a characteristic of a Run-Time Error?
    1. An error in the program code that prevents the program from starting to run
    2. An error in the program that occurs before the program finishes running
    3. When the program runs without errors but does not work correctly
    4. An error that prevents your computer from loading the “repl.it” web page
18. Which of the following is an example of a Syntax Error?
    1. name = input(“What is your name)
    2. “name” == input(“What is your name”)
    3. “name”[5]
    4. “name”[0]
19. Which of the following is a characteristic of a Single-Line Comment?
    1. The comment starts and ends with three quotations (“””)
    2. A hashtag (#) can appear anywhere in a line to start the comment
    3. The comment starts and ends with a hashtag (#)
    4. The comment is contained within quotation marks (“ … “)
20. Which of the computer components is not found on the motherboard?
    1. The hard disk drive (HDD)
    2. The main CPU chip
    3. The RAM memory
    4. The Graphics Expansion card
21. Which computer components is responsible for fast long term storage of large program and data files?
    1. The hard disk drive (HDD)
    2. The RAM memory
    3. The main CPU chip
    4. The CD/DVD disk drive
22. A major concern related to Emoji Equity is that:
    1. The current limited set of emojis promote stereotypes
    2. The current limited set of emojis may not allow all people to express themselves
    3. People should use words instead of emojis to communicate
    4. Social Network software companies are not concerned about Emoji Equity
23. A major concern that the community of Medicine Hat has about Bitcoin Mining is that:
    1. The price of Bitcoin changes day by day
    2. Bitcoin can be used by criminals
    3. Bitcoin mining requires lots of energy
    4. Bitcoin mining does not employ many people
24. The computer virus that attacked the Oshawa Hospital in 2017 was:
    1. The CodeRed worm
    2. The Cryptolocker Trojan
    3. The ZeroAccess Botnet
    4. The WannaCry Ransomware attack