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. The result of the Python expression “type (4 / 2)” results in?
   1. “4 / 2” being printed to the screen
   2. “<class ‘float’>” being printed to the screen
   3. “2” being printed to the screen
   4. “<class ‘int>” being printed to the screen
3. Which of the following expressions is not a valid Python string type?
   1. “String”
   2. ‘String’[6]
   3. “Word”[2]
   4. “True”
4. Which of the following expressions results in a valid Python integer type?
   1. 3/4
   2. round(3/4)
   3. 3/3
   4. 3.0 \* 4
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 -= 6
7. Which of the following expressions is not a valid string operation?
   1. “word” \* 3
   2. “word” \* “Three”
   3. “word” + “Three”
   4. “word”[3]
8. What is the result of the expression “number = 5” followed by the expression “number != 5”?
   1. 4
   2. 5
   3. True
   4. False
9. Which of the following expressions evaluates to True?
   1. True and False
   2. not(True)
   3. not(True != False)
   4. True or False
10. For the list “Teams = [“raptors”,”jays”,”leafs”]”, which of the following expressions   
    evaluates to “leafs”?
    1. Teams[2]
    2. Teams[3]
    3. Teams[“leafs”]
    4. Teams = [“leafs’]
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 = input(“Enter a Float”)
    4. Value = float(input(“Enter a value”))
12. What is the main purpose of a Python “for” loop?
    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 specify a range of values and for use in a block of related Python statements
13. What is the main purpose of a Python “if … else …” control statement?
    1. To repeat the execution of a block of related Python statements
    2. To decide when to execute 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
14. Which of the following Python Turtle commands will make the pen green?
    1. myPen.color(64,64,192)
    2. myPen.color(64,192,64)
    3. myPen.color(192,64,64)
    4. myPen.green()
15. Which of the following sequence of Python Turtle commands will draw a circle?
    1. myPen.up(), myPen.circle(20), myPen.down()
    2. myPen.down(), myPen.circle(20), myPen.up()
    3. myPen.down(), myPen.shape(“circle”), myPen.up()
    4. myPen.up(), myPen.shape(“circle”), myPen.down()
16. Which of the following is a characteristic of a Syntax Error?
    1. An error in the program that occurs before the program finishes running
    2. When the program runs without errors but does not work correctly
    3. An error that prevents your computer from loading the “repl.it” web page
    4. An error in the program code that prevents the program from starting to run
17. 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]
18. Which of the following is a characteristic of a Multi-Line Block Comment?
    1. The comment block starts and ends with three quotations (“””)
    2. The comment block starts and ends with a hashtag (#)
    3. A hashtag (#) can appear anywhere in a line to start the comment
    4. The comment is contained within quotation marks (“ … “)
19. Which of the computer components is not found on the motherboard?
    1. The main CPU chip
    2. The RAM memory
    3. The hard disk drive (HDD)
    4. The Graphics Expansion card
20. Which computer components is responsible for fast short term storage of large program and data files?
    1. The main CPU chip
    2. The RAM memory
    3. The hard disk drive (HDD)
    4. The CD/DVD disk drive
21. Which computer components is responsible for fast long term storage of large program and data files?
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    3. The main CPU chip
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22. A major concern related to Emoji Equity is that:
    1. The current limited set of emojis promote stereotypes
    2. People should use words instead of emojis to communicate
    3. Social Network software companies are not concerned about Emoji Equity
    4. The current limited set of emojis may not allow all people to express themselves
23. A major concern that the community of Medicine Hat has about Bitcoin Mining is that:
    1. Bitcoin mining requires lots of energy
    2. The price of Bitcoin changes day by day
    3. Bitcoin can be used by criminals
    4. Bitcoin mining does not employ many people
24. The computer virus that attacked the Oshawa Hospital in 2017 was:
    1. The WannaCry Ransomware attack
    2. The CodeRed worm
    3. The Cryptolocker Trojan
    4. The ZeroAccess Botnet