Q1. How can we create an iterator object from a list?

**Ans: a**

Q2. If the function contains at least of one “yield” statement, then it becomes \_\_\_\_\_\_

Choose one

**Ans: b**

Q3. What is the output of the code?

**Ans. b**

Q4. What are the criteria that must be met to create closure in Python?

**Ans. d**

Q5. What is the output of the code?

**Ans. d**

Q6. What is the output of the code?

**Ans. d**

Q7: What is the more pythonic way to use getters and setters?

**Ans. d**

Q8. In Python, there is a built-in function property() that returns a property object. The property object has which of the methods?

**Ans. a**

Q9. Which of the following statement is true?

**Ans. d**

Q10. For the following codes, which of the following statements is true?

**Ans. b**

Q11. What is the output of the program?

**Ans. a=20 (No option is matching)**

Q12. Which of the following statements is true?

**Ans. a**

Q13. What is the output of the code?

**Ans. c**

Q14. What is the function of the \_\_init\_\_() function in Python?

**Ans b**

Q15. What is the output of the code?

**Ans b**

Q16. Which of the following code used the inheritance feature?

**Ans c**

Q17 If you a class is derived from two different classes, it’s called \_\_\_\_\_\_

**Ans b**

Q18. Which of the following statements is true?

**Ans d**

Q19. What is the output of the code?

**Ans b**

Q20. Opening a file in ‘a’ mode

**Ans c**

Q21. What does the following code do?

**Ans b**

Q22. Which of the codes closes files automatically if an exception

occurs?

**Ans d**

Q23. For the following code,

1. f = open('test.txt', 'r', encoding = 'utf-8')

2. f.read()

Which of the following statement is true

**And d**

Q24. What does the following code do?

os.listdir()

**Ans c**

Q25. Which of the following is correct?

**Ans a**

Q26. What will happen if we try to open the file that doesn’t exist?

**Ans c**

Q27. What is the output of the code?

**Ans b**

Q28. What does the following code do?

**Ans c**

Q29. Which of the following statement is true?

**Ans b**

Q30. Which of the following statement is true?

**And d**

Q31. What is the output of the code?

**Ans b**

Q32. If the return statement is not used inside the function, the function will return:

**Ans b**

Q33. What is the output of the code?

**Ans b**

Q34. What is a recursive function?

Choose one

**Ans b**

Q35. What is the output of the program?

**Ans c**

Q36. What is the output of the program?

**Ans a**

Q37. Suppose you need to print pi constant defined in the math module. Which of the following code can do this task?

**Ans c**

Q38. Which operator is used in Python to import modules from the packages?

**Ans a**

Q39. What is the output of the code?

**Ans b**

Q40. What is the output of the code?

**Ans c**

Q41. The if-elif-else executes only one block of code among several blocks.

**Ans a**

Q42. What is the output of the code?

**Ans a**

Q43. In the Python, for and while loop can have the optional else statement?

**Ans c**

Q44. What is the output of the code?

**Ans b**

Q45. What is the output of the code?

**Ans c**

Q46. Is it better to use the for loop instead of while if we are iterating through a sequence?

**Ans b**

Q47. Which of the following statement is true?

**Ans d**

Q48. What is the output of the code?

**Ans a**

Q49. Which of the statement is true about the “pass” statement?

**Ans c**

Q50. In regards to separated value files such as .csv and .tsv, what is the delimiter?

**Ans c**

Q51. In separated value files such as .csv and .tsv, what does the first row in the file typically contain?

**Ans a**

Q52. Assume you have a file object my\_data, which has properly opened a separated value file that uses the tab character (\t) as the delimiter.

What is the proper way to open the file using the Python CSV module and assign it to the variable csv\_reader?

**Ans b**

Q53. When iterating over an object returned from csv.reader(), what is returned with each iteration?

For example, given the following code block that assumes csv\_reader is an object returned from csv.reader(), what would be printed to the console with each iteration?

for item in csv\_reader:

print(item)

**Ans b**

Q54. When writing to a CSV file using the .writerow() method of the csv.DictWriter object, what must each key in the input dict represent? Below is an example:

with open('test\_file.csv', mode='w') as csv\_file:

writer = csv.DictWriter(csv\_file,fieldnames=['first\_col', 'second\_col'])

writer.writeheader()

# This input dictionary is what the question is referring

# to and is not necessarily correct as shown.

writer.writerow({'key1':'value1', 'key2':'value2'})

**Ans b**

Q55. Which is the correct way to open the CSV file hrdata.csv for reading using the pandas package? Assume that the pandas package has already been imported.

**Ans c**

Q56. By default, pandas uses 0-based indices for indexing rows. Which is the correct way to import the CSV file hrdata.csv for reading and using the 'Name' column as the index row instead?

Below is the contents of hrdata.csv

Name,Hire Date,Salary,Sick Days remaining

Fred,10/10/10,10000,10

**Ans a and d**

Q57. Given the file dog\_breeds.txt, which of the following is the correct way to open the file for reading as a text file? Select all that apply.

**Ans b,e**

Q58. Given the following directory structure:

animals/

**Ans feline**

Q59. Given the file jack\_russell.png, which of the following is the correct way to open the file for reading as a buffered binary file? Select all that apply.

**Ans open('jack\_russell.png', 'rb')**

Q60. Using the same directory structure as before:

Assuming that the cwd is in the root folder where Animals reside, what is the full path to the file bears.gif?

**Ans ../animals.csv**

Q61. Whenever possible, what is the recommended way to ensure that a file object is properly closed after usage?

**Ans a**

Q62. Using the same directory structure as before:

animals/

**Ans ursine/bears.gif**

Q63. When reading a file using the file object, what method is best for reading the entire file into a single string?

**Ans b**

Q64. The value 1.73 rounded to one decimal place using the “rounding up” strategy is…

**Ans a**

Q65. The value -2.961 rounded to two decimal places using the “rounding down” strategy is…

**Ans b**

Q66. When a value is truncated to 3 decimal places, which of the following is true?

**Ans a**

Q67. The value -0.045 rounded to 2 decimal places using the “round half away from zero” strategy is…

**Ans -0.04**

Q68. Which rounding strategy does Python’s built-in round() function use?

**Ans b**

Q69. The value 4.65 rounded to one decimal place using the “round half to even” strategy is…

**Ans a**

Q70. Which problem arises due to the multiple inheritances,if hierarchical inheritance is used previously for its base classes?

**Ans a**

Q71. How many classes should a program contain to implement the multiple inheritances?

**Ans c**

Q72.If class a inherits class b and class c as “class a: public class b, public class c {// class body ;}; ”, which class constructor will be called first?

**Ans b**

Q73.If all the members of all base classes are private then,

**Ans a**

Q74. Can the derived class be made abstract if multiple inheritance is used?

**Ans d**

Q75. Which among the following best defines the multilevel inheritance?

**Ans b**

Q76. If there are 5 classes, E is derived from D, D from C, C from B and B from A. Which class constructor will be called first if the object of E or D is created?

**Ans a**

Q77. Which Class is having the highest degree of abstraction in multilevel inheritance of 5 levels?

**Ans a**

Q78. Multilevel inheritance allows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the program.

**Ans d**

Q79. If all the classes used parameterized constructors and no default constructor then, \_\_\_\_\_\_\_\_\_\_\_

**Ans d**

Q80. Which is the universal exception handler class?

**Ans d**

Q81. What are two exception classes in the hierarchy of java exceptions class?

**Ans c**

Q82. Which are the two blocks that are used to check error and handle the error?

**Ans a**

Q83. To catch the exceptions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans a**

Q84. Which class is used to handle the input and output exceptions?

**Ans c**

Q85. Which among the following is true for the class exceptions?

**Ans d**

Q86. If both base and derived class caught the exceptions, \_\_\_\_\_.

**Ans a**

Q87. The catching of base class the exception \_\_\_\_\_\_\_\_\_ in java.

**Ans b**

Q88. Which of the following handles the undefined class in the program?

**Ans d**

Q89. Which among the following is true?

**Ans c**

Q90. Which condition among the following might result in memory exception?

**Ans c**

Q91. Which among the following is the correct definition for static member functions?

**Ans b**

Q92. The static member functions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans c**

Q93. Which is the correct syntax to access the static member functions with a class name?

**Ans d**

Q94. The static members are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans d**

Q95. Which among the following is true?

**Ans b**

Q96. The static member functions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans d**

Q97. Which among the following can’t be used to access the members in anyway?

**Ans c**

Q98. If static data member are made inline, \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans c**

Q99. The static data member \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ans b**

Q100. We can use the static member functions and static data member \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Ans a**

Q101. Point out the wrong statement:

**Ans c**

Q102. The \_\_\_\_\_\_\_\_ function returns its argument with the modified shape,whereas the \_\_\_\_\_\_\_\_ method modifies the array itself.

**Ans a**

Q103. To create sequences of the numbers, NumPy provides a function \_\_\_\_\_\_\_\_\_\_ analogous to range that returns arrays instead of lists.

**Ans a**

Q104.Point out the correct statement:

**Ans d**

Q105. Which of the following function stack 1D array as the columns into the 2D array?

**Ans b**

Q106. ndarray is also known as an alias array.

**Ans a**

Q107.Which of the following method creates the new array object that looks at the same data?

**Ans a**

Q108.Which of the functions can be used to combine the different vectors to obtain the result for each n-uplet?

**Ans b**

Q109. ndarray.dataitemSize is the buffer containing actual elements of an array.

**Ans a**

Q110.Which of the following is in the NumPy library?

**Ans d**

Q111. Which of the following sets the size of the buffer used in ufuncs ?

**Ans c**

Q112. Point out the wrong statement:

**Ans b**

Q113.Which of the following attribute should be used while checking the type combination input and output?

**Ans a**

Q114.Which of the following returns an array of “ones” with the same shape and type as a given array?

**Ans b**

Q115. Point out the wrong statement:

**Ans b**

Q116. Which of the following set of a floating-point error callback function or a log object?

**Ans b**

Q117. Some ufuncs can take output arguments.

**Ans b**

Q118. \_\_\_\_\_\_\_\_\_\_\_ decompose the elements of x into the mantissa and the two’s exponent.

**Ans c**

Q119. Which of the following function take the only a single value as input?

**Ans a**

Q120. The array object returned by the \_array\_prepare\_ is passed to ufunc for computation.

**Ans a**

Q121. All pandas data structures are \_\_\_mutable but not always \_\_\_\_\_\_\_-mutable.

**Ans c**

Q122. Point out the correct statement:

**Ans d**

Q123. Which of the following statement will import the pandas?

**Ans a**

Q124. Which of the following object did we get after reading the CSV file?

**Ans a**

Q125. Point out the wrong statement:

**Ans c**

Q126. Which of the following library is similar to the pandas?

**Ans a**

Q127. Panel is a container for the Series, and DataFrame is a container for DataFrame objects.

**Ans b**

Q128. Which of the following is the prominent python “statistics and econometrics library”?

**Ans c**

Q129. Which of the following is the foundational exploratory visualisation package for the R language in the pandas ecosystem?

**Ans a**

Q130. Pandas consist of static and the moving window linear and panel regression.

**Ans a**

Q131. Quandl API for Python wraps the \_\_ REST API to returns the pandas DataFrames with time series indexes.

**Ans a**

Q132. Point out the correct statement:

**Ans a**

Q133.Which of the following library is used to retrieve and to acquire statistical data and metadata disseminated in SDMX 2.1?

**Ans a**

Q134. Which of the following provides the standard API for doing computations with MongoDB?

**Ans a**

Q135. Point out the wrong statement:

**Ans c**

Q136. Which of the following makes use of the pandas and returns data in a Series or DataFrame?

**Ans b**

Q137. Spyder can introspect and display Pandas DataFrames.

**Ans b**

Q138. Which of the following is used for machine learning in the python?

**Ans a**

Q139. The \_\_\_\_\_\_\_\_ project builds on top of the pandas and matplotlib to provide easy plotting of data.

**Ans b**

Q140 x-ray brings the labelled data power of pandas to the physical sciences.

**Ans a**

Q141. Which of the following is the base layer of all of the sparse has it indexed data structures?

**Ans b**

Q142. Point out the correct statement.

**Ans d**

Q143. Which of the following is not an indexed object?

**Ans d**

Q144. Which of the following list like data structure is used for managing the dynamic collection of SparseArrays?

**Ans a**

Q145. Point out the wrong statement.

**Ans a**

Q146. Which of the following method used for transforming the Sparse-series index by the MultiIndex to a scipy.sparse.coo\_matrix?

**Ans a**

Q147. The integer format tracks only the locations and the sizes of blocks of data.

**Ans b**

Q148. Which of the following is used for the testing for membership in the list of column names?

**Ans a**

Q149. Which of the following indexing capabilities is used as the concise means of selecting data from a pandas object?

**Ans b**

Q150. Pandas follow the NumPy convention of raising an error when you try to convert something to a bool.

**Ans a**