

NAME _____

ROLL NO _____

SECTION _____

1. Find the invalid identifier from the following

- a) MyName b) True c) 2ndName d) My_Name

2. The interconnection between two or more computers is known as _.

- a. Computer Network b. Social Network c. Both a and b d. None of the above

3. Write the full form of CSV. 1 4 Identify the valid arithmetic operator in Python from the following.

- a) ? b) < c) ** d) and

4. Suppose a tuple T is declared as T = (10, 12, 43, 39), which of the following is incorrect?

- a) print(T[1]) b) T[2] = -29 c) print(max(T)) d) print(len(T))

5. Computer networks help to _.

- a. Share data b. Share resources c. Both a) and b) d. None of the above.

6. If the network connects a few personal devices, like a laptop, smartphone, printer, etc., it is known as _.

- a. Personal Area Network (PAN) b. Local Area Network (LAN)
c. Metropolitan Area Network (MAN) d. Wide Area Network (WAN)

7. _ device is known as Modulator/DEModulator.

- a. Switch b. Router c. Modem d. Gateway

8. An Ethernet card is also known as __.

- a. Network Communication Card b. Network Interface Card
c. Network Intercommunication Card d. None of the above

9. A __ is an analogue device which gives strength to a weak signal.

- a. Hub b. Repeater c. Modem d. Gateway

10. In star topology, each communicating device is connected to a central node.

- a. Star Topology b. Bus Topology c. Tree Topology d. None of the above

11. WWW stands for _.

- a. Wide World Web b. World Wide Web c. World Wide Web d. Web Wide World.

12. Which of the following is a DDL command?

- a) SELECT b) ALTER c) INSERT d) UPDATE

13. In text files, each line of text is terminated, with a special character known as _____.

- a. EOL b. EOF c. EOF d. All of the above.

14. Identify the valid declaration of L: L = ['Mon', '23', 'hello', '60.5']

- a. dictionary b. string c. tuple d. list

15. A _____ file is just a file that contains information in the same format in which the information is held in memory.

- a. Text file b. Binary file c. Word file d. None of the above

16. _____ file format are faster and easier for a program to read and write than other file format.

- a. Text file b. Binary file c. Doc file d. None of the above

17. Which of the following types of table constraints will prevent the entry of duplicate rows?

- a) Unique b) Distinct c) Primary Key d) NULL

18. Find the invalid identifier from the following

- a. none b. address c. Name d. pass 2

19. Consider a declaration L = (1, 'Python', '3.14'). Which of the following represents the data type of L?

- a. list b. tuple c. dictionary d. string

20. Given a Tuple tup1= (10, 20, 30, 40, 50, 60, 70, 80, 90). What will be the output of print (tup1 [3:7:2])?

- a. (40,50,60,70,80) b. (40,50,60,70) c. [40,60] d. (40,60)

21. Which of the following option is not correct?

- a. if we try to read a text file that does not exist, an error occurs.
b. if we try to read a text file that does not exist, the file gets created.
c. if we try to write on a text file that does not exist, no error occurs.
d. if we try to write on a text file that does not exist, the file gets Created.

22. Which of the following options can be used to read the first line of a text file Myfile.txt?

- a. myfile = open('Myfile.txt'); myfile.read()
b. myfile = open('Myfile.txt','r'); myfile.read(n)
c. myfile = open('Myfile.txt'); myfile.readline()
d. myfile = open('Myfile.txt'); myfile.readlines()

23. Assume that the position of the file pointer is at the beginning of 3rd line in a text file. Which of the following option can be used to read all the remaining lines?

- a. myfile.read() b. myfile.read(n) c. myfile.readline() d. myfile.readlines()

24. A text file student.txt is stored in the storage device. Identify the correct option out of the following options to open the file in read mode.

- i. myfile = open('student.txt','rb') ii. myfile = open('student.txt','w')
iii. myfile = open('student.txt','r') iv. myfile = open('student.txt')

- a. only i b. both i and iv c. both iii and iv d. both i and iii

25. The return type of the input() function is

- a. string b. integer c. list d. tuple

26. Consider a tuple tup1 = (10, 15, 25, and 30). Identify the statement that will result in an error.

- a. print(tup1[2]) b. tup1[2] = 20 c. print(min(tup1)) d. print(len(tup1))

27. Which of the following statement is incorrect in the context of binary files?

- a. Information is stored in the same format in which the information is held in memory.
b. No character translation takes place
c. Every line ends with a new line character
d. pickle module is used for reading and writing

28. What is the significance of the tell() method?

- a. tells the path of file
b. tells the current position of the file pointer within the file
c. tells the end position within the file
d. checks the existence of a file at the desired location

29. The command for closing a file in Python file handling is _____.

- a. close() b. closing() c. object() d. None of the above

30. _____ binary file mode is used to append data in the file using file handling.

- a. 'ab' b. 'w' c. 'a' d. None of the above

31. Which of the following components are part of a function header in Python?

- a. Function Name b. Return Statement c. Parameter List d. Both a and c

32. Which of the following function header is correct?

- a. def cal_si(p=100, r, t=2) b. def cal_si(p=100, r=8, t)
c. def cal_si(p, r=8, t) d. def cal_si(p, r=8, t=2)

33. Which of the following is the correct way to call a function?

- a. my_func() b. def my_func() c. return my_func d. call my_func()
34. Which of the following character acts as default delimiter in a csv file?
a. (colon) : b. (hyphen) - c. (comma) , d. (vertical line) |
35. Syntax for opening Student.csv file in write mode is `myfile = open("Student.csv","w",newline="")`.
What is the importance of `newline=""`?
a. A newline gets added to the file b. Empty string gets appended to the first line.
c. Empty string gets appended to all lines. d. EOL translation is suppressed
36. What is the correct expansion of CSV files?
a. Comma Separable Values b. Comma Separated Values
c. Comma Split Values d. Comma Separation Values
37. Which of the following is not a function / method of csv module in Python?
a. read() b. reader() c. writer() d. writerow()
38. Which one of the following is the default extension of a Python file?
a. .exe b. .p++ c. .py d. .p
39. Which of the following symbol is used in Python for single line comment?
a. / b. /* c. // d. #
40. Which of these about a dictionary is false?
a) The values of a dictionary can be accessed using keys c) Dictionaries aren't ordered
b) The keys of a dictionary can be accessed using values d) Dictionaries are mutable
41. What is the output of following code: `T=(100) print(T*2)`
a. Syntax error b. (200,) c. 200 d. (100,100)
42. Suppose content of 'Myfile.txt' is:
Twinkle twinkle little star
How I wonder what you are
Up above the world so high
Like a diamond in the sky
What will be the output of the following code?
`myfile = open("Myfile.txt")`
`data = myfile.readlines()`
`print(len(data))`
`myfile.close()`
a. 3 b. 4 c. 5 d. 6
43. Identify the output of the following Python statements.
`x = [[10.0, 11.0, 12.0],[13.0, 14.0, 15.0]]`
`y = x[1][2]`
`print(y)`
a. 12.0 b. 13.0 c. 14.0 d. 15.0
44. Identify the output of the following Python statements.
`x = 2 while x < 9:`
`print(x, end="")`
`x = x + 1`
a. 12345678 b. 123456789 c. 2345678 d. 23456789
45. Identify the output of the following Python statements.
`b = 1`
`for a in range(1, 10, 2):`

```
b += a + 2
```

```
print(b)
```

- a. 31 b. 33 c. 36 d. 39

46. Identify the output of the following Python statements.

```
lst1 = [10, 15, 20, 25, 30]
```

```
lst1.insert( 3, 4)
```

```
lst1.insert( 2, 3)
```

```
print (lst1[-5])
```

- a. 2 b. 3 c. 4 d. 20

47. Raghav is trying to write a tuple `tup1 = (1,2,3,4,5)` on a binary file `test.bin`. Consider the following code written by him.

```
import pickle tup1 = (1,2,3,4,5)
```

```
myfile = open("test.bin", 'wb')
```

```
pickle._____ #Statement 1
```

```
myfile.close()
```

Identify the missing code in Statement 1.

- a. `dump(myfile,tup1)` b. `dump(tup1, myfile)` c. `write(tup1,myfile)` d. `load(myfile,tup1)`

48. What will be the output of the following Python code?

```
def add (num1, num2):
```

```
    sum = num1 + num2
```

```
sum = add(20,30)
```

```
print(sum)
```

- a. 50 b. 0 c. Null d. None

49. Evaluate the following expression and identify the correct answer.

```
16 - (4 + 2) * 5 + 2**3 * 4
```

- a. 54 b. 46 c. 18 d. 32

50. What will be the output of the following code?

```
def my_func(var1=100, var2=200):
```

```
    var1+=10
```

```
    var2 = var2 - 10
```

```
    return var1+var2
```

```
print(my_func(50),my_func())
```

- a. 100 200 b. 150 300 c. 250 75 d. 250 300

51. What will be the output of the following code?

```
value = 50
```

```
def display(N):
```

```
    global value
```

```
    value = 25
```

```
    if N%7==0:
```

```
        value = value + N
```

```
    else:
```

```
        value = value - N
```

```
print(value, end="#")
```

```
display(20)
```

`print(value)`

a. 50#50

b. 50#5

c. 50#30

d. 5#50#

52. What will be the output of the following code?

```
import random
```

```
List=["Delhi","Mumbai","Chennai","Kolkata"]
```

```
for y in range(4):
```

```
    x = random.randint(1,3)
```

```
    print(List[x],end="#")
```

a. Delhi#Mumbai#Chennai#Kolkata#

b. Mumbai#Chennai#Kolkata#Mumbai#

c. Mumbai# Mumbai #Mumbai # Delhi#

d. Mumbai# Mumbai #Chennai # Mumbai

53. What is the output of the following code snippet?

```
def ChangeVal(M,N):
```

```
    for i in range(N):
```

```
        if M[i]%5 == 0:
```

```
            M[i]//=5
```

```
        if M[i]%3 == 0:
```

```
            M[i]//=3
```

```
L = [25,8,75,12]
```

```
ChangeVal(L,4)
```

```
for i in L:
```

```
    print(i,end="#")
```

a) 5#8#15#4#

b) 5#8#5#4#

c)5#8#15#14#

d) 5#18#15#4#

54. Suppose content of 'Myfile.txt' is

Humpty Dumpty sat on a wall

Humpty Dumpty had a great fall

All the king's horses and all the king's men

Couldn't put Humpty together again

What will be the output of the following code?

```
myfile = open("Myfile.txt")
```

```
record = myfile.read().split()
```

```
print(len(record))
```

```
myfile.close()
```

a. 24

b. 25

c. 26

d. 27

55. Find the output of the following code:

```
Name="Python3.1"
```

```
R="" for x in range(len(Name)):
```

```
    if Name[x].isupper():
```

```
        R=R+Name[x].lower()
```

```
    elif Name[x].islower():
```

```
        R=R+Name[x].upper()
```

```
    elif Name[x].isdigit():
```

```
        R=R+Name[x-1]
```

```
    else:
```

```
        R=R+"#" print(R)
```

a. pYTHOn##@

b. pYTHOnN#@

c. pYTHOn#@

d. pYTHOnN@#

56. Suppose content of 'Myfile.txt' is

67. _____ length as the same code is not required to be written at multiple places in a program. This also makes debugging easier.
- a. Increases readability b. Reduces code c. Increases reusability d. All of the above
68. A function defined to achieve some task as per the programmer's requirement is called a _____.
- a. User defined function b. Predefined function c. Both a) and b) d. None of the above
69. The items enclosed in "[]" are called _____ and they are optional.
- a. Function b. Parameters c. Values d. None of the above
70. Function name should be _____.
- a. Unique b. Repeated
c. Only keyword name can be added d. None of the above
71. In python _____ should be in the same order as that of the arguments.
- a. Values b. Parameters c. Function name d. None of the above
72. In python, function can be defined as _____ ways.
- a. No argument and no return value b. Argument and with return value
c. Arguments and no return value d. All of the above
73. A variable defined inside a function cannot be accessed _____ it.
- a. Outside b. Inside c. Both a) and b) d. None of the above
74. A variable that has global scope is known as a _____.
- a. Local variable b. Global variable c. Define variable d. None of the above
75. For a complex problem, it may not be feasible to manage the code in one single file. Then, the program is divided into different parts under different levels, called _____.
- a. Modules b. Code c. Variable d. None of the above
76. To call a function of a module, the function name should be preceded with the name of the module with a _____.
- a. comma(,) b. dot(.) c. Semicolon(;) d. None of the above
77. Programmers can write their own functions known as _____.
- a. Pre defined function b. User defined function c. Both a) and b) d. None of the above
78. Python allows assigning a _____ to the parameter.
- a. Predefined value b. default value c. No value d. None of the above
79. Multiple values in Python are returned through a _____.
- a. String b. Tuple c. Both a) and b) d. None of the above
80. Which device is used to control the movement of the cursor on the screen?
- a) Keyboard b) Scanner c) Mouse d) Microphone
81. SQL stands for ____.
- a. Structured Query Language b. Simple Query language.
c. Simple Query Locator d. None of the above
82. Which of the following datatypes has reserved space, meaning the datatype has a fixed length?
- a. Char(n) b. Varchar(n) c. Both a. and b. d. None of the above
83. The Big Integer (BIGINT) datatype value occupies __ bytes of storage.
- a. 2 bytes b. 4 bytes c. 8 bytes d. 16 bytes
84. Which of the following constraints ensures that all the values in the column are distinct/unique?
- a. PRIMARY KEY b. UNIQUE c. KEY DEFAULT d. NULL
85. The column which can uniquely identify each row/record in a table is known as ____.
- a. FOREIGN KEY b. PRIMARY KEY c. DELTA KEY d. All of the above

86. Which of the following SQL commands is required for creating a table?

- a. Create tablename(...) b. Create table(...) c. Create table tablename(...) d. All of the above

87. If you want to remove a table from the database, which of the following SQL commands can be used?

- a. DROP table tablename; b. REMOVE table tablename;
c. DEL table tablename; d. None of the above

88. An SQL command is used to retrieve data from the tables in a database, and the output is also displayed in tabular form.

- a. SELECT * from tablename; b. DISPLAY from tablename;
c. DISPLAY * from tablename; d. SELECT from tablename;

89. In which datatype is the value stored padded with spaces to fit the specified length?

- a. DATE b. VARCHAR c. FLOAT d. CHAR

90. Which aggregate function can be used to find the cardinality of a table?

- a. sum() b. count() c. avg() d. max()

91. What are the two main types of functions?

- a) Custom function b) Built-in function & User defined function
c) User function d) System function

92. Which of the following cannot be returned by random.randrange(4)?

- a) 0 b) 3 c) 2.3 d) none of the mentioned

93. Which of the following will never be displayed on executing print(random.choice({0: 1, 2: 3}))?

- a) 0 b) 1 c) KeyError: 1 d) none of the mentioned

94. String in python are sequence of

- a) ASCII code b) Unicode c) balance code d) mode code

95. A group of comma-separated values of any data type within parentheses is.....

- a) Tuple b) dictionary c) list d) array

96. What is the output of the function: all(3,0,4.2)

- a) True b) False c) Error d) 0

97. Carefully observe the code and give the answer.

```
def example(a):
```

```
    a = a + '2'
```

```
    a = a*2
```

```
    return a
```

```
example("hello")
```

- a) indentation Error b) cannot perform mathematical operation on strings
c) hello2 d) hello2hello2

98. Which of the following results in a SyntaxError ?

- a) "'Once upon a time...'", she said.' b) "He said, 'Yes!'"
c) '3\` d) "'That's okay'"

99. What is the output of the following?

```
x = ['ab', 'cd']
```

```
for i in x:
```

```
    x.append(i.upper())
```

```
print(x)
```

- a) ['AB', 'CD']. b) ['ab', 'cd', 'AB', 'CD'].
c) ['ab', 'cd']. d) none of the mentioned

100. What is the output of the following?

```
x = "abcdef"
```

```
while i in x:
```

```
print(i, end=" ")
```

- a) a b c d e f b) abcdef c) i i i i i i ... d) error

101. To shuffle the list(say list1) what function do we use ?

- a) list1.shuffle () b) shuffle(list1)
c) random.shuffle(list1) d) random.shuffleList(list1)

102. What is the output when following code is executed ?

```
>>>names = ['Amir', 'Bear', 'Charlton', 'Daman']
```

```
>>>print(names[-1][-1])
```

- a) A b) Daman c) Error d) n

103. A void function internally returns legal empty value_____.

- a) None b) Number c) Alphabet d) Decimal

104. To add a new element to a list we use which command?

- a) list1.add(5) b) list1.append(5) c) list1.addLast(5) d) list1.addEnd(5)

105. What is the output of the following?

```
i = 1  
while True:  
if i%2 == 0:  
break  
print(i)  
i += 2
```

- a) 1 b) 1 2 c) 1 2 3 4 5 6 ... d) 1 3 5 7 9 11 .

106. What will be the output?

```
>>>my_tuple = (1, 2, 3, 4)  
>>>my_tuple.append( (5, 6, 7) )  
>>>print len(my_tuple)
```

- a) 1 b) 2 c) 5 d) Error

107. What is the output of the following piece of code?

```
>>> a=(0,1,2,3,4)  
>>> b=slice(0,2)  
>>> a[b]
```

- a) Invalid syntax for slicing b) [0,2]. c) (0,1) d) (0,2)

108. What is the output of the below program?

```
def printMax(a, b):  
if a > b:  
print(a, 'is maximum')  
elif a == b:  
print(a, 'is equal to', b)  
else:  
print(b, 'is maximum')  
printMax(3, 4)
```

- a) 3 b) 4 c) 4 is maximum d) None

109. What will be the output of this code:

- ```
def calcSomething(x):
 R=2*x**2
 Return r
calcSomething(3)
```
- a) 21                      b) 18                      c) 12                      d) 6
110. Which of the following is the correct way to call a function?  
a. my\_func()              b. def my\_func()              c. return my\_func              d. call my\_func()
111. The return type of the input() function is  
a. string                  b. integer                  c. list                      d. tuple
112. Identify the output of the following Python statements.  
x = [[10.0, 11.0, 12.0],[13.0, 14.0, 15.0]]  
y = x[1][2]  
print(y)  
a. 12.0                      b. 13.0                      c. 14.0                      d. 15.0
113. What will be the output of the following Python code?  
def add (num1, num2):  
sum = num1 + num2  
sum = add(20,30)  
print(sum)  
a. 50                      b. 0                      c.Null                      d.None
114. Suppose list1 is [3, 5, 25, 1, 3], what is min(list1)?  
a) 3                      b) 5                      c) 25                      d) 1
115. What will be the output of the following Python code?  
>>>list("a#b#c#d".split('#'))  
a) ['a', 'b', 'c', 'd']    b) ['a b c d']              c) ['a#b#c#d']              d) ['abcd']
116. Where is function defined?  
a) Module                  b) Class                      c) Another function              d) All of the these
117. What is a variable defined inside a function referred to as?  
a) A global variable    b) A volatile variable    c) A local variable              d) An automatic variable
118. Which of the following is correctly evaluated for this function?  
pow(x,y,z)  
a. (x\*\*y) / z              b. (x / y) \* z              c. (x\*\*y) % z              d. (x / y) / z
119. Which of the following keyword marks the beginning of the function block?  
a) Func                      b) define                      c) def                      d) function
120. Write the output of the given below:  
a = 8.6  
b = 2  
print a//b  
(A) 4.3                      (B) 4.0                      (C) 4                      (D) compilation error
121. Which of the following symbols are used for comments in Python?  
(A)//                      (B) "                      (C) /\*\*/                      (D) #
122. Select the reserved keyword in python?

- (A) else (B) import (C) raise (D) All of these
- 123. What is the associativity of Operators with the same precedence?**  
 (A) Depends on operators (B) Left to Right (C) Right to Left (D) Depends on Python Compiler
- 124. 19 % 2 in python**  
 (A) 17 (B) 2 (C) 0 (D) None of these
- 125. Find out output of following code snippet**  

```
>>>str="cppbuzz"
>>>str[:3]
```

 (A) Uzz (B) cpp (C) buzz (D) cppb
- 126. How following evaluates in Python?**  
**round(0.5) – round(-0.5)**  
 (A) 0 (B) 1 (C) 2 (D) 0.5
- 127. Which of the following is an invalid statement?**  
 (A) abc = 1,000,000 (C) a b c = 1000 2000 3000  
 (B) a,b,c = 1000, 2000, 3000 (D) a\_b\_c = 1,000,000
- 128. Which of the following variable is invalid?**  
 (A) \_\_str (B) \_\_str (C) \_str\_ (D) None of these
- 129. what is the output for:**  

```
name="Hello World"
print(type(name))
```

 (A) Hello World (B) hello World (C) <class 'str'> (D) str
- 130. What is the output of the following?**  

```
x = 'abcd'
for i in x:
 print(i.upper())
```

 (A) a b c d (B) A B C D (C) a B C D (D) error
- 131. Which of the following items are present in the function header?**  
 A. function name B. parameter list C. return value D. Both A and B
- 132. If return statement is not used inside the function, the function will return:**  
 A. None B. 0 C. Null D. Arbitrary value
- 133. What is a variable defined outside a function referred to as?**  
 A. local variable B. global variable C. static Variable D. automatic variable
- 134. How is a function declared in Python?**  
 A. def function function\_name(): C. declare function function\_name():  
 B. def function\_name(): D. declare function\_name():
- 135. Which one of the following is the correct way of calling a function?**  
 A. function\_name() B. call function\_name() C. ret function\_name() D. function function\_name()
- 136. Function blocks begin with the keyword?**  
 A. define B. fun C. function D. def
- 137. A return statement with \_\_\_\_\_ arguments.**  
 A. No B. 1 C. 2 D. Any
- 138. \_\_\_\_\_ are the arguments passed to a function in correct positional order.**  
 A. Required arguments B. Keyword arguments C. Default arguments D. Variable-length arguments
- 139. In computer Network we can share \_\_\_\_\_.**  
 A. Data B. resources C. Both of the above D. None of these
- 140. Device in a network can be Connected through:**  
 A. Wired media B. wireless Media C. Both of the above D. none of the above

141. Lan stands For :

- a. Local Arm Network    B. Local Area Network    C. Local Line network    D. Local Area Net

142. .... means to convey.

- a) Transportation    b) Communication    c) Play    d) None of these

143. Each computer on the network is called a .....

- a) Mode    b) node    c) code    d) abode

144. Files and Folders can be ..... up to local or remote shares.

- a) removed    b) backed    c) renamed    d) deleted

145. CD-ROM stands for

- a) Compact Disc Read Only Memory    c) Compact Disc Read Once Memory  
b) Common Disk for Reading Only Memory    d) Compact Disk for Readable Memory

146. This network spans a physical area (in the range of 5 and 50 km diameter) that is larger than a LAN but smaller than a WAN.

- a) LAN    b) PAN    c) WAN    d) MAN

147. What will be the output of above Python code?

```
d1={"abc":5,"def":6,"ghi":7}
print(d1[0])
```

- a. abc    b. 5    c. {"abc":5}    d. Error

148. Which of the following will give error?

Suppose dict1={"a":1,"b":2,"c":3}

- a. print(len(dict1))    b. print(dict1.get("b"))    c. dict1["a"]=5    d. None of these.

149. What will be the output of the following Python code snippet?

```
a={1:"A",2:"B",3:"C"}
print(a.setdefault(3))
```

- a) {1: 'A', 2: 'B', 3: 'C'}    c) C  
b) {1: 3, 2: 3, 3: 3}    d) No method called setdefault() exists for dictionary

150. pow() function belongs to which library?

- a) math    b) string    c) random    d) maths

151. Rahul wants to delete all the elements from the tuple, which statement he should use

- a. >>>del t    b. >>>t.clear()    c. >>>t.remove()    d. >>>None of these

152. Following set of commands are executed in shell, what will be the output?

```
>>>str="hello" >>>str[:2] >>>
```

- a) he    b) lo    c) olleh    d) hello

153. What error occurs when you execute?

```
apple = mango
```

- a). SyntaxError    b) NameError    c) ValueError    d) TypeError

154. Carefully observe the code and give the answer.

```
def example(a): a = a + '2' a = a*2 return a >>>example("hello")
```

- a) indentation Error    b) cannot perform mathematical operation on strings  
c) hello2    d) hello2hello2

155. What data type is the object below ?

```
L = [1, 23, 'hello', 1].
```

- a) list    b) dictionary    c) array    d) tuple

156. In order to store values in terms of key and value we use what core data type.

- a) List    b) tuple    c) class    d) dictionary

157. Which of the following results in a SyntaxError ?

a) "Once upon a time...", she said.'

b) "He said, 'Yes!'"

c) '3\'

d) "'That's okay'"

**158. What is the average value of the code that is executed below ?**

```
>>>grade1 = 80
```

```
>>>grade2 = 90
```

```
>>>average = (grade1 + grade2) / 2
```

a) 85

b) 85.1

c) 95

d) 95.1

**159. Select all options that print hello-how-are-you**

a) print('hello', 'how', 'are', 'you')

b) print('hello', 'how', 'are', 'you' + '-' \* 4)

c) print('hello-' + 'how-are-you')

d) print('hello' + '-' + 'how' + '-' + 'are' + 'you')

**160. What is the return value of trunc() ?**

a) int

b) bool

c) float

d) None

**161. What is the output of**

```
print 0.1 + 0.2 == 0.3?
```

a) True

b) False

c) Machine dependent

d) Error

**162. Which of the following is not a complex number?**

a)  $k = 2 + 3j$

b)  $k = \text{complex}(2, 3)$

c)  $k = 2 + 3l$

d)  $k = 2 + 3J$

**163. What is the type of inf?**

a) Boolean

b) Integer

c) Float

d) Complex

**164. What does ~4 evaluate to?**

a) -5

b) -4

c) -3

d) +3

**165. What does ~~~~~5 evaluate to?**

a) +5

b) -11

c) +11

d) -5

**166. Which of the following is incorrect?**

a)  $x = 0b101$

b)  $x = 0x4f5$

c)  $x = 19023$

d)  $x = 03964$

**167. What is the output of the following?**

```
i = 1
```

```
while True:
```

```
 if i%3 == 0:
```

```
 break
```

```
 print(i)
```

```
 i += 1
```

a) 1 2

b) 1 2 3

c) error

d) none of the mentioned

**168. What is the output of the following?**

```
i = 1
```

```
while True:
```

```
 if i%007 == 0:
```

```
 break
```

```
 print(i)
```

```
 i += 1
```

a) 1 2 3 4 5 6

b) 1 2 3 4 5 6 7

c) error

d) none of the mentioned

**169. What is the output when following statement is executed?**

```
>>>"a"+"bc"
```

a) a

b) bc

c) bca

d) abc

**170. What is the output of the following?**

```
print("xyyzxyzxzyy".count('yy'))
```

- a) 2                                      b) 0                                      c) error                                      d) none of the mentioned

**171. Which are the advantages of functions in python?**

- a) Reducing duplication of code                                      b) Decomposing complex problems into simpler pieces  
b) c) Improving clarity of the code                                      d) All of the mentioned

**172. To open a file c:\scores.txt for writing, we use**

- a) outfile = open("c:\scores.txt", "w")                                      b) outfile = open("c:\\scores.txt", "w")  
c) outfile = open(file = "c:\scores.txt", "w")                                      d) outfile = open(file = "c:\\scores.txt", "w")

**173.5. To read two characters from a file object infile, we use**

- a) infile.read(2)                                      b) infile.read()                                      c) infile.readline()                                      d) infile.readlines()

**174. Which of the following is not a function of the database?**

- a) Managing stored data    b) Manipulating data    c) Security for stored data    d) Analysing code

**175. The DBMS acts as an interface between \_\_\_\_\_ and \_\_\_\_\_ of an enterprise-class system.**

- a) Data and the DBMS                                      b) Application and SQL  
c) Database application and the database                                      d) The user and the software

**176. Which command is used to remove a relation from an SQL?**

- a) Drop table                                      b) Delete                                      c) Purge                                      d) Remove

**177. The command for opening a file in Python file handling is \_\_\_\_\_.**

- a. open()                                      b. update()                                      c. both a) and b)                                      d. None of the above

**178. \_\_\_\_\_ text file mode is used to read data from file.**

- a. 'r'                                      b. 'rb'                                      c. 'r+'                                      d. None of the above

**179. Which of the following option is correct for 'a+' text file mode.**

- a. File is create if does not exit  
b. If file exist, file's existing data is retained; new data is appended  
c. Both reading and writing operation can take palce.  
d. All of the above

**180. Which function is used to write data onto a file.**

- a. write()                                      b. writelines()                                      c. Both a) and b)                                      d. None of the above

**181. A text file can be opened in \_\_\_\_\_ file modes.**

- a. 'r' and 'w'                                      b. 'a' and 'r+'                                      c. 'w+' and 'a+'                                      d. All of the above

**182. Computer networks help to \_.**

- a. Share data                                      b. Share resources                                      c. Both a) and b)                                      d. None of the above

**183. ARPANET stands for \_.**

- a. Advanced Research Projects Agency Network  
b. Advanced Research Projects Agent Network  
c. Advance Resource Projects Agent Network  
d. None of the above

**184. If the network connects a few personal devices, like a laptop, smartphone, printer, etc., it is known as \_.**

- a. Personal Area Network (PAN)                                      b. Local Area Network (LAN)  
c. Metropolitan Area Network (MAN)                                      d. Wide Area Network (WAN)

**185. An Ethernet card is also known as \_.**

- a. Network Communication Card                                      b. Network Interface Card  
c. Network Intercommunication Card                                      d. None of the above

**186. In star topology, each communicating device is connected to a central node.**

- a. Star Topology                                      b. Bus Topology                                      c. Tree Topology                                      d. None of the above

**187. WWW stands for \_.**

- a. Wide World Web    b. World Wide Web                                      c. World Wide Web                                      d. Web Wide World

188. SQLs are helpful for \_.

- a. Manipulating data in the database
- b. Declaring constraints
- c. Retrieving data from the database
- d. All of the above

189. Which of the following datatypes has reserved space, meaning the datatype has a fixed length?

- a. Char(n)
- b. Varchar(n)
- c. Both a. and b.
- d. None of the above

190. Integer (INT) datatype value occupies \_ bytes of storage.

- a. 2 bytes
- b. 4 bytes
- c. 8 bytes
- d. 16 bytes

191. Which of the following datatypes holds decimal point numbers?

- a. INT
- b. BIGINT
- c. FLOAT
- d. CHAR

192. Which of the following operator cannot be used with string data type?

- a. +
- b. in
- c. \*
- d. #

193. \_\_\_\_\_ function is used to read the data from the file.

- a. read()
- b. readline()
- c. readlines()
- d. All of the above

194. Identify the output of the following code snippet:

```
text = "PYTHONPROGRAM"
text=text.replace('PY', '#')
print(text)
```

- a) #THONPROGRAM
- b) ##THON#ROGRAM
- c) #THON#ROGRAM
- d) #YTHON#ROGRAM

195. What is the output of the expression?

```
country='International'
print(country.split("\n"))
```

- a) ('I', 'ter', 'atio', 'al')
- b) ['I', 'ter', 'atio', 'al']
- c) ['I', 'n', 'ter', 'n', 'atio', 'n', 'al']
- d) Error

196. What will be the output of the following code?

```
tuple1 = (1, 2, 3)
tuple2 = tuple1
tuple1 += (4,)
print(tuple1 == tuple2)
```

- (A) True
- (B) False
- (C) tuple1
- (D) Error

197. If a table which has one Primary key and two alternate keys. How many Candidate keys will this table have?

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

198. In which datatype the value stored is padded with spaces to fit the specified length.

- (A) DATE
- (B) VARCHAR
- (C) FLOAT
- (D) CHAR

199. Which aggregate function can be used to find the cardinality of a table?

- (A) sum()
- (B) count()
- (C) avg()
- (D) max()

200. Which network device is used to connect two networks that use different protocols?

- (A) Modem                      (B) Gateway                      (C) Switch                      (D) Repeater

**12TH CLASS COMPUTER MCQ ANSWER KEY**

|    |   |    |   |    |   |     |   |     |     |     |   |     |   |     |   |
|----|---|----|---|----|---|-----|---|-----|-----|-----|---|-----|---|-----|---|
| 1  | B | 26 | B | 51 | B | 76  | B | 101 | C   | 126 | A | 151 | A | 176 | A |
| 3  | C | 28 | B | 53 | B | 78  | B | 103 | A   | 128 | D | 153 | B | 178 | A |
| 4  | B | 29 | A | 54 | C | 79  | B | 104 | B   | 129 | C | 154 | D | 179 | D |
| 5  | C | 30 | A | 55 | B | 80  | C | 105 | D   | 130 | B | 155 | A | 180 | C |
| 6  | B | 31 | D | 56 | D | 81  | A | 106 | D   | 131 | D | 156 | D | 181 | D |
| 7  | C | 32 | D | 57 | B | 82  | A | 107 | C   | 132 | A | 157 | C | 182 | C |
| 8  | B | 33 | A | 58 | D | 83  | C | 108 | C   | 133 | B | 158 | A | 183 | A |
| 9  | B | 34 | C | 59 | A | 84  | B | 109 | B   | 134 | B | 159 | D | 184 | A |
| 10 | A | 35 | D | 60 | A | 85  | B | 110 | A   | 135 | A | 160 | A | 185 | B |
| 11 | B | 36 | B | 61 | C | 86  | C | 111 | A   | 136 | D | 161 | B | 186 | A |
| 12 | B | 37 | A | 62 | B | 87  | A | 112 | D   | 137 | A | 162 | C | 187 | B |
| 13 | A | 38 | C | 63 | A | 88  | A | 113 | D   | 138 | A | 163 | C | 188 | D |
| 14 | D | 39 | D | 64 | C | 89  | D | 114 | D   | 139 | C | 164 | B | 189 | A |
| 15 | B | 40 | B | 65 | D | 90  | B | 115 | A   | 140 | C | 165 | A | 190 | C |
| 16 | B | 41 | C | 66 | D | 91  | B | 116 | D   | 141 | B | 166 | D | 191 | C |
| 17 | C | 42 | B | 67 | B | 92  | C | 117 | C   | 142 | B | 167 | C | 192 | D |
| 18 | D | 43 | D | 68 | A | 93  | D | 118 | C   | 143 | B | 168 | A | 193 | A |
| 19 | B | 44 | C | 69 | B | 94  | B | 119 | C   | 144 | B | 169 | D | 194 | A |
| 20 | D | 45 | C | 70 | A | 95  | A | 120 | B   | 145 | A | 170 | A | 195 | B |
| 21 | B | 46 | B | 71 | B | 96  | C | 121 | D   | 146 | D | 171 | D | 196 | B |
| 22 | C | 47 | B | 72 | D | 97  | D | 122 | D   | 147 | D | 172 | B | 197 | C |
| 23 | C | 48 | D | 73 | A | 98  | C | 123 | B,C | 148 | D | 173 | A | 198 | D |
| 24 | C | 49 | C | 74 | B | 99  | D | 124 | D   | 149 | C | 174 | D | 199 | B |
| 25 | A | 50 | D | 75 | A | 100 | D | 125 | B   | 150 | A | 175 | C | 200 | B |