

GOVT. MODEL QUESTION PAPER

- Bundling two values together into one can be considered as:
A) Pair B) Triplet
C) Single D) Quadrat
- The kind of scope of the variable 'a' used in the Pseudo code given below:
a) Disp(): b) a:=7 c) print a d) Disp()
A) Local B) Global
C) Enclosed D) Built-in
- Big Ω is the reverse of
A) Big 0 B) Big θ
C) Big A D) Big S
- Extension of Python files is
A) .Pyt B) .txt
C) .Pdm D) .Py
- for i in range(10, 0, 2):
print(i)
A) 10 8 6 4 2 0 B) 10 8 6 4 2
C) 0 2 4 6 8 10 D) Error
- The bin() function returns a binary string prefixed with:
A) 0 B) 1
C) 0b D) 1b
- The positive and negative index values of 'P' in the string str1 = 'COMPUTER' are
A) 3, -4 B) 4, -4
C) 3, -5 D) 4, -5
- Which of the following set operation includes all the elements that are in two sets but not the one that are common to two sets?
A) Symmetric difference B) Difference
C) Intersection D) Union
- A Variable prefixed with double underscore is
A) Private B) Public
C) Protected D) Static
- The data model developed by IBM is
A) Hierarchical B) Relational
C) Network D) ER
- The SQL command to make a database as current active database is
A) CURRENT B) USE
C) DATABASE D) NEW
- The Expansion of CRLF is
A) Control Return and Line Feed
B) Carriage Return and Form Feed
C) Control Router and Line Feed
D) Carriage Return and Line Feed
- The function call statement of the segment.
if __name__ == '__main__':
main(sys.argv[1:]) is
A) main(sys.argv[1:]) B) __name__
C) __main__ D) argv
- Which is not a SQL clause?
A) GROUP BY B) ORDER BY
C) HAVING D) CONDITION
- To make a bar chart with Matplotlib, which function should be used?
A) plt.bar() B) plt.chart()
C) pip.bar() D) pip.chart()

GOVT. MODEL QUESTION PAPER -I

- The variable in a function definition are called as
A) Subroutines B) Function
C) Definition D) Parameters
- Which of the following functions that retrieve information from the data type?
A) Constructor B) Selectors
C) Recursive D) Nested
- Which scope refers in variables defined in current function?
A) Local Scope B) Global Scope
C) Module Scope D) Function Scope
- Two main measures for the efficiency of an algorithm are
A) Processor and memory
B) Complexity and capacity
C) Time and space D) Data and space
- Which operator is also called as Conditional operator?
A) Ternary B) Relational
C) Logical D) Assignment
- What is the output of the following snippet?
i=1
while True:
if i%3 == 0:
break
print(i)
i +=1
A) 12 B) 123 C) 1234 D) 124

- Pick the correct one to execute the given statement successfully.
if ____: print(x, "is a leap year")
A) x%2==0 B) x%4==0
C) x/4==0 D) x%4==0
- Which of the following operator is used for concatenation?
A) + B) &
C) * D) =
- If List=[17, 23, 41, 10] then List.append(32) will result
A) [32, 17, 23, 41, 10] B) [17, 23, 41, 10, 32]
C) [10, 17, 23, 32, 41] D) [41, 32, 23, 17, 10]
- Which of the following class declaring is correct?
A) class class_name B) class class_name<>
C) class class_name: D) class class_name[]
- Which database model represents parent-child relationship?
A) Relational B) Network
C) Hierarchical D) Object
- Queries can be generated using
A) SELECT B) ORDER BY
C) MODIFY D) ALTER
- Making some changes in the data of the existing file or adding more data is called
A) Editing B) Appending
C) Modification D) Alteration
- The Expansion of API is
A) Application Programming Interpreter
B) Application Programming Interface
C) Application Performing Interface
D) Application Programming Interlink
- The most commonly used statement in SQL is
A) Cursor B) Select
C) Execute D) Commit

GOVT. MODEL QUESTION PAPER -2

- Which function cause side effects to the arguments are not passed?
A) Algorithms B) Pure
C) Impure D) Subroutines
- Which scope every variable defined in a program?
A) Local B) Global
C) Module D) Object
- The Python prompt indicates that Interpreter is ready to accept instruction.
A) >>> B) <<<
C) # D) <<
- for i in range(2, 10, 2):
print(i, end=' ')
Find the output
A) 2 4 6 8 B) 8 6 4 2
C) 2 10 2 D) 2 2 2
- Find the output:
MyList = [25, 85, 15, 98]
print min(MyList)
A) 25 B) 85
C) 15 D) 98
- The positive subscript is assigned to the first character is
A) 0 B) 1
C) n D) n-1
- What is the use of type() function in Python?
A) To create a Tuple
B) To know the type of an element in tuple
C) To know the data type of python object
D) To create a list
- The keys in Python, dictionary is specified by
A) = B) ;
C) + D) :
- Expansion of DBMS:
A) Database Management System
B) Database Memory System
C) Database Model System
D) Database Management Services
- Which is a database management system?
A) SQL B) MYSQL
C) DDL D) DML
- Which of the following module is provided by Python to do several operations on the CSV files?
A) py B) xls
C) csv D) os
- Which is an organized collection of data?
A) Database B) Sheadsheet
C) SQL D) DBMS
- A framework for interfacing Python and C++ is
A) Ctypes B) SWIG
C) Cython D) Boost

14. Which of the following is called the master table?
 A) sqlite_master B) sql_master
 C) main_master D) master_main
15. Which is a python package used for 2D graphics?
 A) matplotlib.pyplot B) matplotlib.pip
 C) matplotlib.numpy D) matplotlib.plt

GOVT. MODEL QUESTION PAPER -3

1. Find the value of lst[0] and lst[1] following:
 lst(0, 10) (1, 20)
 A) 10 and 20 B) 20, 10
 C) 10, 10 D) 20, 20
2. a:=5
 b:=a
 a:=3 Find the value of a?
 A) 3 B) 5
 C) b D) b = a
3. Which of the following is not a keyword in Python?
 A) break B) while
 C) continue D) operators
4. Which of the following is entry check loop?
 A) While B) do - while
 C) For D) Nested
5. Find the output:
 MyList = [25, 85, 15, 98]
 print(max(MyList))
 A) 25 B) 85
 C) 15 D) 98
6. Which operator is used to concatenate string in Python?
 A) += B) -=
 C) + D) -
7. >>>Str1 = "WELCOME" Find the subscript[-3].
 A) L B) C
 C) O D) M
8. Which of the following set operation includes all the elements that are in two sets but not the one that are common to two sets?
 A) Symmetric difference B) Difference
 C) Intersection D) Union
9. Expansion of GIS
 A) Geographic Information System
 B) Global Information System
 C) Global Interchange Services
 D) Geographic Information Services
10. Which helps to uniquely identify a record?
 A) Unique B) Primary key
 C) Default D) Check
11. Which has a native library for SQLite?
 A) C B) C++
 C) Python D) DBMS
12. What does __name__ contains?
 A) c++ filename B) main() name
 C) python filename D) os module name
13. Which of the following is a string used to terminate lines produced by writer() method of csv module?
 A) Line Terminator B) Enter key
 C) Form feed D) Data Terminator
14. Which is a software application for the interaction between users and the database?
 A) Database B) Spreadsheet
 C) SQL D) DBMS
15. Which uses statistical graphics?
 A) Data Visualization B) Matplotlib
 C) Dashboards D) Infographics

GOVT. MODEL QUESTION PAPER -4

1. Which one of the following are Tuple?
 A) arr[1, 2, 34] B) arr(1, 2, 34)
 C) student[rno, name, mark] D) display()
2. Consider the following statements and find the result:
 1. x:= 'outer x variable'
 2. display():
 3. x:= 'inner x variable'
 4. print x
 5. display()
 A) inner × variable outer × variable
 B) outer × variable inner × variable
 C) outer × variable outer × variable
 D) inner × variable inner × variable
3. Which of the following is not a state sorting algorithm?
 A) Insertion sort B) Selection sort
 C) Bubble sort D) Merge sort
4. Which of the following shortcut is used to create new Python program?
 A) Ctrl + C B) Ctrl + F
 C) Ctrl + B D) Ctrl + N

5. i=10
 while(i<=15):
 print(i, end='t')
 i=i+1
 How times the loop will be executed?
 A) 15 B) 10
 C) 6 D) 7
6. Which function returns the smallest integer greater than or equal to x?
 A) Floor() B) cell()
 C) sqrt() D) pow()
7. The negative index assigned from the last character is
 A) 0 B) -1
 C) n D) n-1
8. Which of the following Python function can be used to add more than one element within an existing list?
 A) Append() B) append_more()
 C) extend() D) more()
9. Expansion of DBA.
 A) Database Administrator
 B) Database Administrations
 C) Digital Administrator
 D) Data Administrator
10. Which provides authorization commands to access data?
 A) DCL B) TCL
 C) DQL D) DML
11. The clause used to sort data in a database
 A) SORT BY B) ORDER BY
 C) GROUP BY D) SELECT
12. The command used to skip a row in a CSV file is
 A) next() B) skip()
 C) omit() D) bounce()
13. getopt() will return an empty array if there is no error in splitting strings to
 A) argv variable B) opt variable
 C) args variable D) file variable
14. SQLite falls under which database system?
 A) Flat file Database system
 B) Relational Database system
 C) Hierarchical Database system
 D) Object oriented Database system
15. Which key is used to run the module?
 A) F6 B) F4
 C) F3 D) F5

GOVT. MODEL QUESTION PAPER -5

1. Which are functions we will give exact result when the same arguments are passed?
 A) Algorithms B) Pure
 C) Impure D) Subroutines
2. The process of binding a variable name with an object is called
 A) Scoping B) Mapping
 C) Modules D) Program
3. The complexity of linear search algorithm is
 A) O(n) B) O(log n)
 C) O(n2) D) O(n log n)
4. Which of the following character is used to give comments in Python program?
 A) # B) &
 C) @ D) \$
5. i=10
 while(i<=15):
 print(i, end='t')
 i=i+1
 Find the output?
 A) 15 14 13 12 11 10 B) 10 11 12 13 14 15
 C) 6 5 4 3 2 1 D) 15 13 11
6. Which function returns the nearest integer to its input?
 A) sum() B) format()
 C) round() D) pow()
7. The positive subscript is assigned to the last character is
 A) 0 B) 1
 C) n D) n-1
8. >>>str1 = "PYTHON"
 >>>print (str1*2)
 A) PYTHON
 B) PYTHON PYTHON
 C) PYTHON PYTHON PYTHON D) Python Python
9. Which of the following function is used to count the number of elements in a list?
 A) count() B) find()
 C) len() D) index()

10. Expansion of RDBMS.
 - A) Relational Database Management System
 - B) Relational Data Management System
 - C) Relational Database Management Services
 - D) Relational Data Memory System
11. Which is a language that helps to create and operate relational database?
 - A) SQL
 - B) MYSQL
 - C) DDL
 - D) DML
12. Which of the following mode is used when dealing with non-text files like image or exe files?
 - A) Text mode
 - B) Binary mode
 - C) xls mode
 - D) csv mode
13. Which program can interact as a user of an SQL database?
 - A) C
 - B) C++
 - C) Python
 - D) DBMS
14. The module which allows you to interface with the Windows operating system is
 - A) os module
 - B) sys module
 - C) csv module
 - D) getopt module
15. Which is the graphical representation of information and data?
 - A) Data Visualization
 - B) Matplotlib
 - C) Dashboards
 - D) Infographics

GOVT. MODEL QUESTION PAPER -6

1. Find the value of Y following:
 lst := [10, 20]
 x, y := lst
 A) 10
 B) 20
 C) 10, 20
 D) 20, 10
2. Consider the following statements say whether they are true or false:
 1. Disp();
 2. A:=7
 (i) "name 'a' is not defined"
 (ii) The duration for which a variable is alive is called its 'life time'.
 A) True, False
 B) False, True
 C) True, True
 D) False, False
3. Which of the following is not token?
 - A) Interpreter
 - B) Identifiers
 - C) Keyword
 - D) Operators
4. Which statement is used to unconditionally transfer the control from one part of the program to another?
 - A) Jump
 - B) Break
 - C) Continue
 - D) Pass
5. Which function returns the type of object for the given single object?
 - A) type()
 - B) id()
 - C) min()
 - D) max()
6. Which operator is used to append a new string with an existing string?
 - A) +=
 - B) -=
 - C) +
 - D) -
7. How many collection of datatypes in python?
 - A) 2
 - B) 3
 - C) 4
 - D) 5
8. Which of the following is not example of RDBMS?
 - A) SQL server
 - B) Oracle
 - C) Maria DB
 - D) Dbase
9. Which command creates a new table?
 - A) DCL
 - B) CREATE TABLE
 - C) DQL
 - D) DML
10. Making some changes in the data of the existing file or adding more data is called
 - A) Editing
 - B) Appending
 - C) Modification
 - D) Alteration
11. The process of creating an object is called as:
 - A) Constructor
 - B) Destructor
 - C) Initialize
 - D) Instantiation
12. Which of the following can be used for processing text, numbers, images, and scientific data?
 - A) HTML
 - B) C
 - C) C++
 - D) PYTHON
13. Which is a simple relational database system?
 - A) Database
 - B) SQL
 - C) SQLite
 - D) DBMS
14. The function that returns the largest value of the selected column is
 - A) MAX()
 - B) LARGE()
 - C) HIGH()
 - D) MAXIMUM()
15. Which is to communicate information visually to users?
 - A) Data Visualization
 - B) Matplotlib
 - C) Dashboards
 - D) Infographics

GOVT. MODEL QUESTION PAPER -7

1. Which of the following is constructed by placing expressions within square brackets?
 - A) Tuples
 - B) Lists
 - C) Classes
 - D) Quadrats
2. The process of subdividing a computer program into separate sub-programs is called
 - A) Procedural Programming
 - B) Modular Programming
 - C) Event Driven Programming
 - D) Object Oriented Programming
3. Which of the following is not logical operator?
 - A) And
 - B) Or
 - C) Not
 - D) Assignment
4. The condition in the if statement should be in the form of
 - A) Arithmetic or Relational expression
 - B) Arithmetic or Logical expression
 - C) Relational or Logical expression
 - D) Arithmetic
5. In which arguments the correct positional order is passed to a function?
 - A) Required
 - B) Keyword
 - C) Default
 - D) Variable-length
6. A function which calls itself is called as
 - A) Built-in
 - B) Recursion
 - C) Lambda
 - D) Return
7. Which of the following is used as placeholders or replacement fields which get replaced along with format() function?
 - A) { }
 - B) <>
 - C) ++
 - D) ^^
8. The subscript of a string may be:
 - A) Positive
 - B) Negative
 - C) Both (A) and (B)
 - D) Either (A) or (B)
9. If List = [10,20,30,40,50] then List[2] = 35 will result
 - A) [35,10,20,30,40,50]
 - B) [10,20,30,40,50,35]
 - C) [10,20,35,40,50]
 - D) [10,35,30,40,50]
10. Which of the following are the key features of an Object Oriented Programming language?
 - A) Constructor and Classes
 - B) Constructor and Object
 - C) Classes and Objects
 - D) Constructor and Destructor
11. Relational database model was first proposed by
 - A) E F Codd
 - B) E E Codd
 - C) E F Cadd
 - D) E F Codder
12. The clause used to sort data in a database
 - A) SORT BY
 - B) ORDER BY
 - C) GROUP BY
 - D) SELECT
13. Which file is a human readable text file?
 - A) XLS
 - B) CSV
 - C) Python
 - D) Java
14. Importing C++ program in a Python program is called
 - A) Wrapping
 - B) Downloading
 - C) Interconnecting
 - D) Parsing
15. Which of the following clause avoid the duplicate?
 - A) Distinct
 - B) Remove
 - C) Where
 - D) Group by

GOVT. MODEL QUESTION PAPER -8

1. Which of the following are mandatory to write the type annotations in the function definition?
 - A) Curly braces
 - B) Parentheses
 - C) Square brackets
 - D) Indentations
2. The members that are accessible from within the class and are also available to its sub-classes is called
 - A) Public members
 - B) Protected members
 - C) Secured members
 - D) Private members
3. In dynamic programming, the technique of storing the previously calculated values is called?
 - A) Saving value property
 - B) Storing value property
 - C) Memoization
 - D) Mapping
4. Which amongst this is not a jump statement?
 - A) For
 - B) goto
 - C) continue
 - D) break
5. Which of the following keyword is used to define the function testpython():?
 - A) define
 - B) pass
 - C) def
 - D) while
6. Which function is called anonymous unnamed function?
 - A) Lambda
 - B) Recursion
 - C) Function
 - D) Define
7. Which of the following is the slicing operator?
 - A) { }
 - B) []
 - C) <>
 - D) ()

8. Let list1 = [2,4,6,8,10], then print(list1[-2]) will result in
A) 10 B) 8
C) 4 D) 6
9. Which of the following is the private class variable?
A) __num B) ##num
C) \$\$num D) &num
10. Which type of relationship does hierarchical model represents?
A) One-to-one B) One-to-many
C) Many-to-one D) Many-to-many
11. Which command are used to manage transaction in a database?
A) DCL B) TCL
C) DQL D) DML
12. Which file is also known as a Flat file?
A) Excel B) CSV
C) Python D) C++
13. Which of the following is a software design technique to split your code into separate parts?
A) Object oriented Programming
B) Modular Programming
C) Low level Programming
D) Procedure oriented Programming
14. Which of the following is an organized collection of data?
A) Database B) DBMS
C) Information D) Records
15. How many types of Visualization under Matplotlib?
A) 3 B) 6
C) 7 D) 8

GOVT. MODEL QUESTION PAPER -9

1. Which of the following is a distinct syntactic block?
A) Subroutines B) Function
C) Definition D) Modules
2. Bundling two values together into one can be considered as
A) Pair B) Triplet
C) Single D) Quadrat
3. Which of the following members of a class can be handled only from within the class?
A) Public members B) Protected members
C) Secured members D) Private members
4. If a problem can be broken into subproblems which are reused several times, the problem possesses which property?
A) Overlapping subproblems B) Optimal substructure
C) Memoization D) Greedy
5. Which punctuation should be used in the blank?
if <condition>
Statements-block 1
else:
statements-block 2
A) ; B) :
C) :: D) !
6. A named blocks of code that are designed to do one specific job is called as
A) Loop B) Branching
C) Function D) Block
7. Which of the following formatting character is used to print exponential notation in upper case?
A) %e B) %E
C) %g D) %n
8. Which of the following statement is not correct?
A) A list is mutable
B) A tuple is immutable
C) The append() function is used to add an element.
D) The extend() function is used in tuple to add elements in a list
9. Which of the following method is used as destructor?
A) __init__() B) __dest__()
C) __rem__() D) __del__()
10. Who developed ER model?
A) Chen B) EF Codd
C) Chend D) Chand
11. How many components of SQL commands?
A) 2 B) 3
C) 4 D) 5
12. Which of the following is a string used to terminate lines produced by writer() method of csv module?
A) Line Terminator B) Enter key
C) Form feed D) Data Terminator
13. Which of the following is a scripting language?
A) JavaScript and VBScript B) PHP, Perl and Python
C) Ruby, ASP and Tcl D) All of these
14. Which of the following function retrieves the average of a selected column of rows in a table?
A) Add() B) SUM()
C) AVG() D) AVERAGE()

15. Which type of charts to display data by way of bars to show the frequency of numerical data?
A) Line B) Bar
C) Pie D) Histograms

GOVT. MODEL QUESTION PAPER -10

1. Which of the following defines what an object can do?
A) Operating System B) Compiler
C) Interface D) Interpreter
2. Which members are accessible from outside the class?
A) Public members B) Protected members
C) Secured members D) Private members
3. This symbol is used to print more than one item on a single line
A) Semicolon(;) B) Dollor(\$)
C) Comma(,) D) Colon(:)
4. elif can be considered to be abbreviation of
A) nested if B) if..else
C) else if D) if..else
5. Which is the most comfortable loop?
A) do..while B) while
C) for D) if..elif
6. Read the following statement and choose the correct statement(s).
(I) In Python, you don't have to mention the specific data types while defining function.
(II) Python keywords can be used as function name.
A) I is correct and II is wrong
B) Both are correct
C) I is wrong and II is correct
D) Both are wrong
7. String in Python:
A) Changeable B) Mutable
C) Immutable D) Flexible
8. Pick odd one in connection with collection data type
A) List B) Tuple
C) Dictionary D) Loop
9. Which of the following method is automatically executed when an object is created?
A) __object__() B) __del__()
C) __func__() D) __init__()
10. Who is called Father of Relationship does hierarchical model represents?
A) Chris Date B) Hugh Darween
C) Edgar Frank Codd D) Edgar Frank Cadd
11. How many types of Constraints?
A) 2 B) 3
C) 4 D) 5
12. The expansion of CRLF is
A) Control Return and Line Feed
B) Carriage Return and Form Feed
C) Control Router and Line Feed
D) Carriage Return and Line Feed
13. Which of the following is not a scripting language?
A) JavaScript B) PHP
C) Perl D) HTML
14. Which of the following is a control structure used to traverse and fetch the records of the database?
A) Pointer B) Key
C) Cursor D) Insertion point
15. Which help users to analyze and interpret the data easily?
A) Data Visualization B) Matplotlib
C) Dashboard D) Infographics

GOVT. MODEL QUESTION PAPER -11

1. A function definition which call itself
A) Pure Function B) Impure Function
C) Normal Function D) Recursive Function
2. Expansion of ADT
A) Abstract Data Tuple B) Abstract Data Template
C) Abstract Data Tape D) Abstract Data Type
3. A variable which is declared inside a function which contains another function Definition
A) Local B) Global
C) Enclosed D) Built in
4. The Complexity of bubble sort in best case is
A) $\Theta(n)$ B) $\Theta(n \log n)$
C) $\Theta(n^2)$ D) $\Theta(n(\log n)^2)$
5. Which operator is also called as comparative operator
A) Arithmetic B) Relational
C) Logical D) Assignment
6. What will be the output of the following python code
for i in range(1,10,2):
print(i,end=' ')
A) 1 3 5 7 9 B) 1 2 4 6 8
C) 2 4 6 8 10 D) 1 3 5 7 10

7. Which function is called anonymous function
A) Lambda B) Recursion
C) Function D) Define
8. Which one of the following is the slicing operator
A) {} B) []
C) < D) ()
9. If List=[17,23,41,10] then List. Append(32) will result
A) [32,17,23,41,10] B) [17,23,41,40,32]
C) [10,17,23,32,41] D) [41,32,23,17,10]
10. Which of the following method is used as destructor
A) __init__() B) __dest__()
C) __rem__() D) __del__()
11. A column in database table is known as an
A) Attribute B) Relation
C) Tuple D) Data
12. Pick odd one
A) Commit B) Rollback
C) Savepoint D) Revoke
13. Which of the following creates an object which maps data into dictionary
A) listreader() B) reader()
C) tuplereader() D) Dictreader()
14. Which of the following is the special variable which by stores the name of the file
A) __init__() B) __dest__()
C) __name__() D) __del__()
15. The most popular data visualization library which allows creating charts in few lines of code in python
A) Matplotlib B) Infographics
C) Data visualization D) PIP

GOVT. MODEL QUESTION PAPER -12

1. The variables in a function definition are called as
A) Subroutines B) Function
C) Definition D) parameters
2. The datatype whose representation is unknown is called
A) Builtin datatype B) Derived Data type
C) Concrete datatype D) Abstract data type
3. Which of the following is used in programming languages to map the variable and object?
A) :: B) :=
C) = D) ==
4. Step by step procedure for solving a given problems
A) Program B) Pseudocode
C) Flowchart D) Algorithm
5. What will be the value of X from the following code snippet
A,B=10,3
X=A if A/B==3 else B
print(X)
A) 3 B) 10
C) True D) False
6. Which is not a jump statement
A) for B) goto
C) continue D) break
7. Which of the following special character is used to define variable length arguments?
A) & B) \$
C) * D) #
8. What is stride
A) index value of slice operation
B) first value of slice operation
C) second value of slice operation
D) Third value of slice operation
9. Let SetA={ 3,6,9} , setB={1,3,9} what will be the result of the following snippet
A) {3,6,9,1,3,9} B) {3,9}
C) {1} D) {1,3,6,9}
10. Which of the following is the private class variable
A) __num B) ##num
C) \$\$num D) &&num
11. What symbol is used for SELECT statement
A) [] B) Ω
C) σ D) Σ
12. Pick odd one:
A) INSERT B) DELETE
C) UPDATE D) TRUNCATE
13. The file extension of Excel
A) xel B) xls
C) cel D) Ecl
14. Which method uses the SQL command to get all the data from the table?
A) get B) select
C) execute D) Query
15. The function to make a pie chart with Matplotlib:
A) plt.bar() B) pie.plt()
C) bar.plt() D) plt.pie()

GOVT. MODEL QUESTION PAPER -13

1. A function that will give exact result then same arguments are passed are called
A) Impure Function B) Partial Function
C) Dynamic Function D) Pure Function
2. Which are loaded as soon as the library files are imported to the program?
A) Built-in scope variables
B) Enclosed scope variables
C) Global scoped variables
D) Local scope variables
3. Which of the following is not a characteristic of an algorithm
A) input B) program
C) Finiteness D) Simplicity
4. In how many ways programs can be written in python
A) Two B) Three
C) Four D) Five
5. What will be the output of the following python snippet
a=15
while(a<=20):
print(a%a,end=' ')
a=a+1
A) 15 16 17 18 19 20 B) 20 19 18 17 16 15
C) 0 0 0 0 0 0 D) 1 1 1 1 1 1
6. Which keyword to be used to define a function in python
A) def B) local
C) rec D) global
7. Which command can be used to remove entire string variable in python
A) rem B) delete
C) del D) remove
8. Which function is used to find length of a list in python
A) for() B) range()
C) len() D) length()
9. In python the class method must have which named argument as first argument
A) self B) rec
C) global D) key
10. Which is the entire collection of related data in one table
A) tuple B) attribute
C) table D) software
11. The TCL command used to restores the database to the last commit state:
A) Commit B) Savepoint
C) Insert D) Rollback
12. The python file mode opens a file for exclusive creation
A) w B) x
C) b D) a
13. Which of the following is the valid python program file name
A) pycpp.py B) pycpp.cpp
C) pycpp.c D) pycpp.js
14. The statement in SQL is to retrieve data from a table in a database
A) SELECT B) DELETE
C) CREATE D) TRUNCATE
15. Which of the following is not type of visualization under matplotlib
A) histogram B) piechart
C) box plot D) SQLite

GOVT. MODEL QUESTION PAPER -14

1. Which of the following are mandatory to write the type annotations in the function definition
A) {} B) ()
C) [] D) <>
2. Bundling two values together into one can be considered as
A) Pair B) Triplet
C) Single D) Quadrat
3. This is the theoretical performance analysis of an algorithm
A) Prior Estimates B) Posteriori testing
C) Space factor D) Time factor
4. Which of the following statements is not correct
1. It is a general purpose programming language which can be used for both scientific and non-scientific programming.
2. It is a platform independent programming language.
3. The programs written in Python are difficult readable and understandable.
A) Statement (1) only
B) Statement (1) and (2)
C) Statement (3) only D) Statement (2) only

5. Match the following

a) if..elif	-	(i) jump
b) while	-	(ii) Block
c) pass	-	(iii) Loop
d) indentation	-	(iv) Branching

A) (a) –(iv), (b) –(iii), (c) –(i), (d) –(ii)
 B) (a) –(i), (b) –(iii), (c) –(iv), (d) –(ii)
 C) (a) –(iv), (b) –(i), (c) –(iii), (d) –(ii)
 D) (a) –(i), (b) –(iv), (c) –(ii), (d) –(iii)
 6. Non keyword variable arguments are called as

A) sets	B) List
C) Tuples	D) Dictionary
 7. Which of the following is used as placeholders or replacement fields which get replaced along with format() function

A) {}	B) <>
C) ++	D) ^^
 8. The function defined inside a class is called as

A) Attribute	B) parameter
C) arguments	D) Methods
 9. Which function is used to generate a series of values in python

A) Series()	B) range()
C) list()	D) Tuple()
 10. Which type of relationship does hierarchical model represents

A) one to one	B) one to many
C) many to one	D) many to many
 11. The SQL command truncate comes under

A) DDL	B) DML
C) TCL	D) DQL
 12. In csv.register_dialect(), which of the following parameter is used for removing whitespaces?

A) removespace	B) skipinitialspace
C) skipspace	D) removeinitialspace
 13. _____ is a built in variable which evaluates to the name of the current mode

A) __name__	B) __main__
C) __mode__	D) __init__
 14. Which is a control structure used to traverse and fetch the records of the database?

A) fetch	B) fetchall
C) cursor	D) key
 15. _____ plot is a type of plot that shows the data as a collection of points

A) Line	B) scatter
C) Box	D) Pie
- GOVT. MODEL QUESTION PAPER -15**
1. Which of the following algorithmic approach is similar to divide and conquer approach

A) Insertion sorting	B) Dynamic programming
C) selection searching	D) Bubble Programming
 2. ADT can be implemented using _____

A) singly linked list	B) doubly linked list
C) either A or B	D) neither A or B
 3. Which of the following is not the example of modules

A) procedures	B) subroutines
C) class	D) functions
 4. The floor division operator in python

A) /	B) %
C) %%	D) //
 5. The optional parameter of range() function in python

A) start	B) stop
C) step	D) slice
 6. What will be the output of the following python snippet


```
c=5
def add():
    c=c+5
    print(c)
add()
```

A) 5	B) 10
C) 15	D) error
 7. The formatting character is used to print exponential notation in uppercase

A) %e	B) %E
C) %g	D) %n
 8. Which is a mutable and unordered collection of elements without duplicates

A) List	B) Tuple
C) set	D) Dictionary
 9. The class instantiation means:

A) creating a class	B) creating a constructor
C) creating a Destructor	D) creating an object
10. The symbol of project in relational algebra of DBMS

A) []	B) Ω
C) σ	D) Σ
 11. Match the following

a) DELETE	-	(i) DDL
b) DROP	-	(ii) DQL
c) SELECT	-	(iii) TCL
d) COMMIT	-	(iv) DML

A) (a) –(iv), (b) –(iii), (c) –(ii), (d) –(i)
 B) (a) –(iv), (b) –(i), (c) –(ii), (d) –(iii)
 C) (a) –(i), (b) –(iv), (c) –(iii), (d) –(ii)
 D) (a) –(i), (b) –(iii), (c) –(iv), (d) –(ii)
 12. To read a CSV file into a dictionary can be done by using

A) Reader	B) DictReader
C) CSVReader	D) FileReader
 13. _____ is a software design technique to split your code into separate parts

A) Object oriented programming
B) Dynamic Programming
C) Procedural oriented programming
D) Modular Programming
 14. Which of the following clause avoid the duplicates in SQL

A) DISTINCT	B) HAVING
C) WHERE	D) GROUPBY
 15. Which of the following matplotlib is used to draw the line chart

A) Line()	B) scatter()
C) Box()	D) Pie()
- GOVT. MODEL QUESTION PAPER -16**
1. Which of the following is a distinct syntactic block

A) Subroutines	B) Function
C) Definition	D) Modules
 2. Which of the following does not allow to name the various parts of a multi –item object?

A) Tuples	B) Lists
C) classes	D) quadrants
 3. The members that are accessible from within the class and are also available to its subclasses is called

A) Public members	B) protected members
C) secured members	D) private members
 4. The word _____ comes from the name of a Persian author, Abu Jafar Mohammed ibn Musa al Khwarizmi is called

A) Algorithm	B) Flow
C) Flow chart	D) syntax
 5. Which of the following character is used to give comments in python program?

A) #	B) &
C) @	D) \$
 6. Which of the following is not a jump statement

A) pass	B) continue
C) skip	D) break
 7. Which of the following is not an argument type

A) Required	B) default
C) keyword	D) fixed length
 8. What will be the output of the following snippet


```
str1="computer"
print(str1[::2])
```

A) er	B) co
C) optr	D) cmu
 9. How many elements are in the list given below?


```
MyList=[78,91,34,[32,61,85],65]
print(len(MyList))
```

A) 3	B) 4
C) 5	D) 7
 10. Which of the following class declaration is correct?

A) class class_name
B) class class_name<>
C) class class_name:
D) class class_name[]
 11. A tuple is also known as _____ in database

A) table	B) row
C) attribute	D) field
 12. Pick odd one

A) CREATE	B) UPDATE
C) ALTER	D) DROP
 13. What does _____ contains

A) C++ filename	B) mani()name
C) python filename	D) os module name
 14. Which of the following is called the master table?

A) sqllite_master	B) sql_master
C) main_master	D) master_main
 15. In line chart or line graph displays information as a series of data points called

A) markers	B) points
C) dots	D) Linest

12TH COMPUTER SCIENCE GOVERNMENT PAPER ONE MARK QP ANSWER

QUES. PAPER NO	GOV. M	GOV. M1	GOV. M2	GOV. M3	GOV. M4	GOV. M5	GOV. M6	GOV. M7	GOV. M8	GOV. M9	GOV. M10	GOV. M11	GOV. M12	GOV. M13	GOV. M14	GOV. M15	GOV. M16
S.NO	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS	ANS
1	A	D	C	A	B	B	C	B	B	A	C	D	D	D	B	B	A
2	A	B	B	A	A	B	A	B	B	A	A	D	D	A	A	C	A
3	A	A	A	D	D	A	D	D	C	D	C	C	C	B	A	A	B
4	D	C	A	C	D	A	A	C	A	C	C	A	D	A	A	D	A
5	D	A	C	D	C	B	A	A	C	B	C	B	B	C	A	C	A
6	C	A	A	C	B	C	A	B	A	C	A	A	A	A	C	B	C
7	C	B	C	C	B	D	C	A	B	B	C	A	C	C	A	B	D
8	A	A	D	A	C	B	D	D	B	D	D	B	D	C	D	C	C
9	A	B	A	A	A	C	B	C	A	D	D	B	D	A	B	D	C
10	A	C	A	A	A	A	B	C	B	A	C	D	A	C	B	A	C
11	B	C	C	D	B	A	C	A	B	D	C	A	C	D	A	B	B
12	D	A	A	C	B	B	D	B	B	A	C	D	D	B	B	B	B
13	A	C	D	A	C	B	D	B	B	D	D	D	B	A	A	B	C
14	D	B	A	C	B	A	C	A	A	C	C	C	B	A	C	A	A
15	A	B	D	A	D	A	A	A	B	D	A	D	D	D	B	A	A

PREPARED BY

**Thirumalai, M.Sc(CS).,B.Ed.,
9750827717**