



## SECOND REVISION EXAMINATION - 2024

Time Allowed : 3.00 Hours]

### COMPUTER SCIENCE

[Max. Marks : 70

#### PART - I

Note : i) All the questions.

15X1=15

ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. Which of the following members of a class can be handled only from within the class
  - a) public members
  - b) protected members
  - c) pe cured members
  - d) private members
2. Big W is the reverse of:
  - a) Big  $\Omega$
  - b) Big  $\theta$
  - c) Big A
  - d) Big S
3. Which of the following shortcut is used to create new Python Program?
  - a) Ctrl+C
  - b) Ctrl+F
  - c) Ctrl+B
  - d) Ctrl+N
4. Which of the following character is used to give comments in Python Program ?
  - a) #
  - b) &
  - c) @
  - d) \$
5. Which amongst this is not a jump statement ?
  - a) for
  - b) pass
  - c) continue
  - d) break
6. Which function is called anonymous un-named function ?
  - a) Lambda
  - b) recursion
  - c) function
  - d) define
7. In which arguments the correct positional order is passed to a function?
  - a) Required
  - b) keyword
  - c) default
  - d) variable-length
8. Relational database model was first proposed by
  - a) Chris Date
  - b) Huge Darween
  - c) Edgar Frank Codd
  - d) Edgar Frank Cadd
9. Which command lets to change the structure of the table?
  - a) SELECT
  - b) ORDER BY
  - c) MODIFY
  - d) ALTER
10. The command to delete a table including the structure is
  - a) DROP
  - b) DELETE
  - c) DELETE ALL
  - d) ALTER TABLE
11. A CSV file is also known as a
  - a) Flat file
  - b) 3D File
  - c) String File
  - d) Random File
12. Which of the following creates an object which maps data to a dictionary
  - a) listreader()
  - b) reader()
  - c) tuplereader( )
  - d) DictReader( )
13. A framework for interfacing Python and C++ is
  - a) Ctypes
  - b) SWIG
  - c) Cython
  - d) Boost
14. Which of the following keyword avoid the duplicate?
  - a) Distinct
  - b) Remove
  - c) Where
  - d) Group By
15. The command used to skip a row in a CSV file is
  - a) next( )
  - b) skip ( )
  - c) omit ( )
  - d) bounce( )

#### PART-II

Answer 6 Questions (Question No:24 Compulsory)

6x2=12

16. What is a pair ? Give an example
17. What do you mean by Namespaces?
18. What is an algorithm?
19. Write a note on range ( ) in loop
20. List out the different types of constraints in SQL
21. What is csv file?
22. What is the advantage of declaring a column as "INTEGER PRIMARY KEY"?
23. List the general types of data visualization.
24. Which method is used to connect a database? Give an example

CP/12/C.S/1

**PART - III**

Answer any 6 Questions (Question No: 33 Compulsory )

6x3=18

25. What are the different ways to access the elements of a list. Give example
26. Why access control is required?
27. Differentiate ceil( ) and floor( ) function
28. How will you access the list elements in reverse order?
29. What is the difference between Select and Project command?
30. Write a SQL statement to modify the student table structure by adding a new field.
31. What is the difference between reader( ) method and DictReader( ) class?
32. What is sys.argv? What does it contain?
33. What is the output of the following snippet? `str1= "welcome" print(str1.isupper( ))`

**PART - IV**

5x5=25

Answer all the Questions in detail:

34. a) What are called Parameters and write a note on
  - (i) Parameter without Type
  - (ii) Parameter with Type

(OR)

(b) Write any five benefits in using modular programming.

35. a) Explain about string operators in python with suitable example

(OR)

b) Write the rules to be followed to format the data in a CSV file.

36. a) Write the output for the following program.

```
Num = []
```

```
for x in range(1,11):
```

```
    Num.append(x)
```

```
    print("The List of numbers from 1 to 10 = ", Num)
```

```
for index, i in enumerate(Num):
```

```
    if(i%2==0):
```

```
        del Num[index]
```

```
        print("The List after deleting even numbers = ", Num)
```

(OR)

b) Explain the characteristics of RDBMS.

37. a) Explain input() and print() functions with examples

(OR)

b) Write the syntax for getopt( ) and explain its arguments and return values?

38. a) Explain the different set operations supported by python with suitable example

(OR)

b) Consider the following table Supplier and Item .Write a python script for (i) to (ii).

Supplier				
suppno	Name	City	Icode	SuppQty
S001	Prasad	Delhi	1008	100
S002	Anu	Bangalore	1010	200
S003	Shahid	Bangalore	1008	175
S004	Akila	Hydrabad	1005	195
S005	Girish	Hydrabad	1003	25
S006	Shylaja	Chennai	1008	180
S007	Lavanya	Mumbai	1005	325

- i) Display Name, City and Itemname of suppliers who do not reside in Delhi.
- ii) Increment the SuppQty of Akila by 40