Q.1 Attempt the following. [40marks]

1. _____ Class is defined inside another class.
   a. Inner
   b. object
   c. parent
   d. instance

2. How many except statements can a try-except block have?
   a. Zero
   b. One
   c. More than one
   d. more than zero

3. When will the else part of try-except-else be executed?
   a. Always
   b. When an exception occur
   c. When no exception occur
   d. when an exception occurs in to except block

4. Which of the following is not an exception handling keyword in Python?
   a. Try
   b. Accept
   c. Except
   d. Finally

5. Which type of error will be raised? int('65.43')
   a. Import error
   b. Value error
   c. Index error
   d. Name error

6. The character Dot (that is, '.') in the default mode, matches any character other than _____
   a. ^
   b. &
   c. $
   d. Newline

7. A _____ method can be called without an object for that class, using the class name directly.
   a. class
   b. static
   c. instance
   d. object

8. Port number for HTTP is
   a. 80
   b. 20
   c. 25
   d. 22

9. Which module in Python supports regular expressions?
   a. Re
   b. regax
   c. Pyregax
   d. None

10. What does the function re.match do?
    a. matches a pattern at the start of the string
    b. matches a pattern at any position in the string
    c. such a function does not exist
    d. none

11. _____ function is present under datetime library which is generally used for calculating differences in dates and also can be used for date manipulations in Python.
    a. timedelta()
    b. time()
    c. now()
    d. delta()

12. To open a file for reading purpose we use _____
   a. r
   b. w
   c. a
   d. None

13. A _____ is a collection of objects.
   a. class
   b. polymorphism
   c. encapsulation
   d. inheritence

14. URL stands for
   a. Uniform Resource Locator
   b. Universal Resource Locator
   c. Uniform Repeated Locator
   d. Uniform Resource Layout

15. To read two characters from a file object Infile, we use
   a. Infile.read(2)
   b. Infile.read()
   c. Infile.readline()
   d. Infile.readlines()

16. A _____ is a lightweight process that can be managed independently by a scheduler.
   a. process
   b. class
   c. thread
   d. object

17. In which inheritance, one child class can inherit from multiple parent classes.
   a. Hierarchical
   b. Multiple
   c. Single
   d. Multilevel

18. _____ method actively initiates TCP server connection.
   a. s.connect()
   b. s.bind()
   c. Socket.conn()
   d. s.hostname()

19. What is the full form of GUI?
   a. Graph user interface
   b. Graphical user interface
   c. Geographical users interfaces
   d. Graph users interfaces

20. Check button allows_____
   a. Single selection
   b. Multiple selection
   c. Group selection
   d. None of them

Q.2 Attempt the following. (Solve any 2)   **[10marks]**
   a. Explain zipping and unzipping of files in Python with example.
   b. Explain Meta characters in regular expression with examples.
   c. Write a program to implement deadlocks in threads.
   d. Write a program to combine date and time in Python.

Q.3 Attempt the following. (Solve any 2)   **[10marks]**
   a. Write a program to update records in table.
   b. Explain finally block in Python with example.
   c. Write a program to demonstrate client-server application using udp protocol.
   d. Explain label widget with an example.

Q.4 Attempt the following. (Solve any 2) [10marks].
   a. Explain polymorphism in Python with an example.
   b. Write a program to show instance method in Python.
   c. Write a program to implement multiple inheritance.
   d. Explain abstract class in Python with example.

Q.5 Attempt the following. (Solve any 1) [05marks]
   a. Explain difference between readline and readlines with example.
   b. Write a program to create Radiobutton in Python.
   c. Write a program to show hierarchical inheritance.