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Class: XII Comp. Sci.	Department: Computer Science	Date of submission: 14/09/2020
Worksheet No: 8	Topic: File Handling	Note:

Answer the following
Section A

1. _____ in Python are interpreted as a sequence or stream or stream of bytes stored on some storage media.
2. _____ method writes a list of strings to a file.
3. The _____ method of a file object flushes any unwritten information and closes the file object.
4. The _____ method is used to change the file name or folder name and _____ method is used to remove a file.
5. The read() function reads data from the _____ of a file.
6. The pickle module produces two main methods _____ and _____ for writing and reading operations.
7. The readlines() return a list of lines from the file till _____.
8. The _____ method reads 'n' characters from the file.
9. _____ function is used to force transfer of data from buffer to file.
10. The default file open mode is _____.
11. Opening a file in append mode will place the file pointer at _____ position.
12. A text file stores in _____ or _____ characters.
13. A _____ defines the type of operations that is to be performed on the file.
14. _____ function returns a list of strings, each separated by "\n".
15. _____ statement is used to open a file C:\test.txt for reading.
16. _____ statement is used to read two characters from a file object fobj.
17. _____ statement is used to read the next line of the fie from a file object fobj.
18. _____ statement is used to read the remaining lines of the file from file object fobj.
19. The readlines() method returns _____.
20. _____ modue is required to use the built-in-function dump().

Section B

1. What is the difference between readline() and readlines() function?
2. Write a single loop to display all the contents of a text file "sample.txt" after removing leading and trailing whitespaces.

3. Differentiate between fie modes r+ and w+ with respect to Python.
4. Differentiate between file modes r+ and rb+ with respect to Python.
5. What is pickling and unpickling?

Section C

1. What is the output of following code:

```
F1 = open("demo.txt", "r")
Size = len(F1.read())
print(F1.read(10))
```

2. Write a statement in Python to open a text file "MyBook.txt" in read mode.
3. Write a statement in Python to open a text file "MyLibrary.txt" in read and write mode.
4. Write a statement in Python to open a text file "MyNote.txt" in write mode.
5. Write a statement in Python to open a text file "MyBook.txt" in append and read mode.
6. Write a statement in Python to open a binary file "Textiles.dat" in read mode.
7. Write a statement in Python to open a binary file "College.dat" in read and write mode
8. Write a statement in Python to open a binary file "Address.dat" in append mode.

Section D

1. Write a function disp_Long() that accepts a file name and display the longest line of the file.
2. Write a method in Python to write multiple lines of text contents into a text file Diary.txt
3. Write a user defined function in Python that displays the number of lines starting with 'S' in the file "Student.txt"
4. Consider a binary file Product.dat containing details such as Prodno:Prodname:Price (separator (:). Write a Python function to display details of those products with priced more than 2500.
5. Write a function countWord() in Python to read the text file "Demo.txt" and count the number of times 'We' occurs in the file.
6. Write a method in Python to read lines from a text file "Project.txt" and displays those lines which start with the alphabet 'I'.
7. Write a program to display all the records in a fie along with line/record number.
8. Write code to print just the second last line of a text file 'Test.txt'.
9. Write a function in Python to count the number of lines in a text file 'Gardent.txt' which are starting with the alphabet 'S'.
10. Write a method DisplayWords() in Python to read lines from a text file BOOK.txt and display those words which are less than 5 characters.
11. Write a program to display the size of file after removing EOL characters, leading and trailing white spaces and blank lines.
12. Write a program that copies a text file "Source.txt" onto "Target.txt" barring the lines starts with "@" sign.