Date: 15/Nov./2019

JAVA TERMWORK 2019

MCA 3rd – A/B:

1. Write a program to show the use of **"this"** and **"super"** keyword in a single program?

2. Write a program to convert 2-D array into 1-D array and print it in ascending order.

     int a[][]={{3,4,5},{6},{1,9}};

3. Initialize a string as **"abcaabccbbabc"**. Find least occurred character.

4. Write a program to enter some values into vector of different types and process them as-

  i.   Print real values after decimal (.)
  ii.   Print sum of digits of integer values
  iii.   Print string in reverse order.

5. Write a program to pass two command line arguments and print **yes** if first command line argument's reverse is equal to second command line argument.

6. Write a program to create a substring from **"1231345992672"** and the resultant string should contain only even digits but only once.

7. Write a program to show the use of **"throws"** keyword in order to throw more than one exception, exception may occur as:

     If your age is below 18, less than age exception should throw.

     If your age is 18 to 60, no exception should throw.

     If your age is greater than 60, higher age exception should throw.

8. Write a program to copy the content of one file into another, if both file exists and both are having data, after copying second file data should get deleted and then copy from first without appending true.

10. Write a program to show the use of **runnable**, **sleep**, **synchronize**, and **anonymous class** in a single program.

11. Write a program to show the use of **transient** variable.

12. Write a program to write your name into a file if it is having more than 500 characters and if it is having less than 500 characters you have to write exact 500 characters by reading from initial file and then write your name.

13. Write a program to draw a circle inside and outside a square using applet.

14. Create a form with following fields-

   i.   Login Id
   ii.   Password
   iii.   Name , it should contain only alphabets and space
   iv.   Subjects, utmost choice of three subjects (use checkbox)
   v.   Gender (use radio button)
   vi.   Submit Button
          Such that if values of Login Id field and password field are equal, Welcome Mr. X will be displayed on new window, X is value of login id.

15. Write a program to find the difference between 2 dates and show the difference as number of days between the inputted dates.

16. Write a program to draw a line using consecutive mouse clicks and adapter class in applets.

17. Write a program to send a string from first machine to second and second machine will send string by converting it into each character's next position character (eg: abd -> bce).

18. Write a program to read from a URL.

19. Write a program to process array list values using iterator.

20. Write a program to create a function with following implementation.

        String show (String s1, String s2, int key, int index);

        Print the first character of smaller string and last character of second string as per alphabetical order along with the value of key from both left to right of index, if the two strings are equal, print reverse of a string and key without value of index.

        e.g.: show ("abc","ram", 12345, 2) O/P: cr234.

        e.g.: show ("abc","abc", 12345, 2) O/P: cba135.

NOTE: Last Date for checking by 2nd Dec. And Term work should contain Problem Statement, Code and Output.