Roll No. :

322553(22)

B. E. (Fifth Semester) Examination, April-May 2019

(New Scheme)

(CSE Branch)

PROGRAMMING in JAVA

Time Allowed: Three hours

Maximum Marks.: 80

Minimum Pass Marks: 28

Note: Attempt all questions. All questions have four parts. Part (a) is compulsory of 2 marks.

Attempt any two parts from part (b), (c) and (d) of 7 marks each.

Unit - I

1. (a) What is Object Oriented Programming?

2

322553(22)

PTY

http://www.csvtuonline.com

http://www.csvtuonline.com

[2]

(b) Write a program in Java to generate the Fibonacci series taking into consideration the following constraints:

(i) Create a class F1BO

- (ii) Class FIBO should have a data member n, that will hold the number of terms to be displayed in the Fibonacci series.
- (iii) Using the constructor of class FIBO fill the value of n from the user during runtime.
- (iv) A member method named "series-generate" should be used to generate and display the Fibonacci series.

Write a Java program that multiplies two 3 × 3 matrices.

(d) Describe different bitwise operators and their uses with proper example.

Unit - II

- 2. (a) Compare the concept of Interface and Class in Java. 2
 - (b) With the help of a Java program, explain the concept of "package" i.e. how packages can be created. imported and used.

322553(22)

http://www.csvtuonline.com

http://www.csvtuonline.com

http://www.csvtuonline.com

7

http://www.csvtuonline.com

7

(d) Write a program in Java to create an application that manager, username and password. The new users should be able to register and existing users should be able to login. The database should be maintained in Oracle, Explain how the output is achieved.

Unit - V

(a) Compare AWT and swing.

where there are two buttons on a panel. Initially only Button 1 is visible and Button 2 is invisible. When Button 1 is clicked then Button 2 gets visible and Button 1 gets invisible and vice versa. Explain how the output is achieved?

(c) Explain the steps that are necessary to create an RMI application that can be used to communicate between different computer system.

(d) Explain Panel, Frame, Canvas, Window and Container. What is event handling?

. 322553(22)

http://www.csvtuonline.com

http://www.csvtuonline.com

(b) Write a GUI program in Java using AWT components

http://www.csvtuonline.com

(a) Describe URL format.

(b) Explain init(), start(), stop(), destroy() and paint() methods of Applet class. How can you pass

parameters to Applet?

322553(22)

http://www.csvtuonline.com