

647510

BIT4javC0110

Seat No: _____

B.Sc.(IT) Semester - 4 (CBCS) Examination

March/April- 2019

**CS-19 PROGRAMMING WITH JAVA
(CORE)**

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q-1 (A) Answer the following questions. (04)**
- (1) Give Full From :JDK
 - (2) Unary is one type of operator. It is True or False?
 - (3) Write – down names of any two JDK tools.
 - (4) Give definition : Class
- (B) Answer the following questions (Any one) (02)**
- (1) Explain for loop with example.
 - (2) Explain switch case with example.
- (C) Answer the following questions (Any one) (03)**
- (1) List out types of array and explain any one of them with example.
 - (2) List out types of operator and explain any one of them with example.
- (D) Answer the following questions (Any one) (05)**
- (1) What is OOP? Explain in details.
 - (2) What is overloading? Explain method overloading with proper example.
- Q-2 (A) Answer the following questions (04)**
- (1) Give full form : API
 - (2) Which keyword is used to access interface in java program?
 - (3) What is Vector?
 - (4) What is Package?
- (B) Answer the following questions (Any one) (02)**
- (1) Explain nested class with example.
 - (2) Give difference between : Normal import V/s. Static import
- (C) Answer the following questions (Any one) (03)**
- (1) Explain any three method of “String” class.
 - (2) Explain any three method of “Math” class.
- (D) Answer the following questions (Any one) (05)**
- (1) What is Package? State the steps to create and import a package with example.
 - (2) Explain “constructor in inheritance” with example.
- Q-3 (A) Answer the following questions (04)**
- (1) We can use multiple catch block with single try block. It is True or False?
 - (2) Define : Thread
 - (3) What is finally?
 - (4) When a method can throw an exception, then it is specified by _____ keyword.
- (B) Answer the following questions (Any one) (02)**
- (1) Explain start() and sleep() method of Thread class.
 - (2) What are Deamon Thread and Non-Deamon Thread?

- (C) Answer the following questions (Any one) (03)
- (1) Explain Thread life cycle.
 - (2) Write a program which can handle “divide by zero” exception using exception handling.
- (D) Answer the following questions (Any one) (05)
- (1) Write a program to copy data of “target.txt” to “source.txt” using FileReader and FileWriter class.
 - (2) What is multi-threading? Explain with example.
- Q-4 (A) Answer the following questions (04)
- (1) _____ method is called first by an Applet.
 - (2) Which class is used to draw different shapes in Applet?
 - (3) Give full form : GUI
 - (4) The default layout manager is FlowLayout. It is True or False?
- (B) Answer the following questions (Any one) (02)
- (1) How to pass parameter in Applet?
 - (2) Explain drawRect() and drawLine() method of Graphics class.
- (C) Answer the following questions (Any one) (03)
- (1) Write a program to demonstrate FlowLayout.
 - (2) Write a program to demonstrate BorderLayout.
- (D) Answer the following questions (Any one) (05)
- (1) Explain Applet Life Cycle in details.
 - (2) Write a program to draw a circle in center of the Applet. Circle remain in the center when Applet resized.
- Q-5 (A) Answer the following questions (04)
- (1) Give full form: AWT
 - (2) _____ method is used to get text of label.
 - (3) What is Event?
 - (4) Swing component is lightweight component as compare to AWT component. It is True or False?
- (B) Answer the following questions (Any one) (02)
- (1) What is Menu and MenuItem in AWT component?
 - (2) What is ActionListener?
- (C) Answer the following questions (Any one) (03)
- (1) Explain JLabel, JRadioButton, JTextField.
 - (2) Give difference between : AWT V/s. Swing
- (D) Answer the following questions (Any one) (05)
- (1) Write a program to print X co-ordinate and Y co-ordinate of mouse cursor position when mouse is moved anywhere on Applet.
 - (2) Explain Adaptor class with suitable example.
