



AR-21160

Seat No. _____

B. Sc. (I.T.) (Sem. IV) Examination

March / April - 2016

Introduction to Java

(New Course)

Time : 3 Hours]

[Total Marks : 100

- 1 Explain any four : 20**
- (1) Explain the garbage collection and finalize() method in Java.
 - (2) What is platform independence ? Explain the Byte code and JVM in detail.
 - (3) Explain the method overriding and method overloading in detail with example.
 - (4) Explain the Access Specifier in Java.
 - (5) Explain any five methods of Math class with example.
- 2 Explain any four : 20**
- (1) Differentiate the Applet and Java Application.
 - (2) Write a short note on Wrapper class.
 - (3) Explain the Event Delegation Model.
 - (4) Explain the Thread Lifecycle in detail.
 - (5) What is Exception ? Explain the Exception handling mechanism in Java.
- 3 Explain any four : 20**
- (1) Explain the Apple Life Cycle.
 - (2) Explain any four methods of Graphics class.
 - (3) What is interface ? Explain the role of interface in Java with example.
 - (4) Differentiate : String and String Buffer class.
 - (5) Differentiate : Throw and throws keyword.

- 4 Explain any **two** : **20**
- (1) What is socket ? Explain Server Socket and Socket class.
 - (2) Explain any one component of java.awt package.
 - (3) Write a program to take a number from command line argument and print its multiplication table.
- 5 Explain any **two** : **20**
- (1) Write a Java Program that takes integer no. as input and calculate factorial of it.
 - (2) Write a Java Program to copy the content of one file into another file.
 - (3) Explain how to create the user defined package in Java and Java APIs in detail.
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