



MAJ-1151

Seat No. _____

B. C. A. (Sem. V) Examination

October / November - 2018

BCA - 501 : Java Programming

Time : 3 Hours]

[Total Marks : 70

- 1** (a) Answer the following : **6**
- (1) Define : Class , Object
 - (2) List the applications of OOP.
 - (3) List JDK tools.
- (b) Answer the following : (any **two**) **12**
- (1) Explain the basic structure of Java program.
 - (2) List Java features. Explain any two in detail.
 - (3) Explain data types available in Java.
- 2** (a) Answer the follwoings : **1**
- (1) List access modifiers. **1**
 - (2) Explain nesting of methods. **2**
 - (3) What is the use of final keyword? **2**
- (b) Answer the following : (any **two**) **12**
- (1) Explain types of inheritance with examples.
 - (2) Explain method overloading and method overriding with example.
 - (3) Write a Java program which explains the use of abstract class and abstract method.

- 3 (a) Answer the followings : 6
- (1) What is Package?
 - (2) What is interface?
 - (3) What is the use of yield() method?
 - (4) Define : Thread
 - (5) Which method is used to set the priority of a thread?
 - (6) List Java API Packages.
- (b) Answer the followings : (any two) 12
- (1) Explain the process for creating and accessing user defined packages.
 - (2) Explain Stack class with methods and example.
 - (3) Explain the process for creating thread using Thread class with example.
- 4 (a) Answer the followings :
- (1) Define : local applet, Remote applet 2
 - (2) What is the use of <PARAM> tag? 2
Give syntax.
 - (3) What is Exception? 1
- (b) Answer the followings : (any two) 12
- (1) Explain Applet tag with all its Attributes.
 - (2) Explain exception handling mechanism with syntax and example.
 - (3) Explain any four methods of Graphics class with syntax and example.
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