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B.C.A. (Part - III) (Semester - VI) Examination, April - 2014

JAVA PROGRAMMING (Paper - 603)

Sub. Code: 50070

Day and Date : Thursday, 10-04-2014

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

Instructions : 1) Q. No. 8 is compulsory.

2) Solve any Four questions from Q.No. 1 to Q.No. 7.

3) All questions carry equal marks.



Q1) a) Write syntax and explain branching statements used in Java with example. [8]

b) Explain This keyword. [8]

Q2) a) What is constructor? Explain its types. [8]

b) Explain concept of abstract class with suitable example. [8]

Q3) a) What is an inheritance? Explain single verses multiple inheritance. [8]

b) Write difference between Java and C++. [8]

Q4) a) Describe exception handling in Java. [8]

b) What is mean by garbage collection? [8]

Q5) What is an interface? Explain it with suitable example. [16]

Q6) a) What is data type? Explain various data types used in Java. [8]

b) Write a program having student as base class and marks as child class. Calculate total marks and percentage using single inheritance. [8]

P.T.O.

Q7) a) Write a program to calculate area of square, circle and rectangle using method over loading. [8]

b) Explain Super keyword with example. [8]

Q8) Write short notes on [Any four] : [16]

- a) Keywords.
- b) Final keyword.
- c) Method overloading.
- d) Class and objects.
- e) Access specifier.
- f) For loop.



Q1) a) Write syntax and explain branching statements used in Java with example. [8]
b) Explain This keyword. [8]

Q2) a) What is constructor? Explain its types. [8]
b) Explain concept of abstract class with suitable example. [8]

Q3) a) What is an inheritance? Explain single versus multiple inheritance. [8]
b) Write difference between Java and C++. [8]

Q4) a) Describe exception handling in Java. [8]
b) What is meant by garbage collection? [8]

Q5) What is an interface? Explain it with suitable example. [16]

Q6) a) What is data type? Explain various data types used in Java. [8]
b) Write a program having student as base class and marks as child class. Calculate total marks and percentage using single inheritance. [8]

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B.C.A (Part-III) (Semester - VI) (New) Examination, November - 2016

JAVA PROGRAMMING (Paper - 604)

Sub. Code : 66425

Day and Date : Wednesday, 09-11-2016

Total Marks : 80

Time : 10.30 a.m. to 1.30 p.m.

- Instructions :
- 1) Q.No. 8 is compulsory.
 - 2) Solve any Four questions from Q.NO.1 to Q.NO.7.
 - 3) All questions carry equal marks.

- Q1) a) What is Java? Explain Java Virtual Machine (JVM) in detail. [8]
 b) How to define a class and create an object in Java. [8]
- Q2) a) What is an inheritance? Explain concept of multiple inheritance with example. [8]
 b) What is an applet? How to add Applet code to HTML file. [8]
- Q3) a) Describe creating and extending a thread class in Java. [8]
 b) Explain applet life cycle in detail. [8]
- Q4) What is package? Explain it with suitable example. [16]
- Q5) a) What is operator? Explain various types of operator used in Java. [8]
 b) What is use of 'throws' keyword in exception handling? [8]
- Q6) a) What is difference between function overloading and over-ridding? [8]
 b) Explain multiple catch blocks with suitable examples. [8]

P.T.O.

Q7) a) Explain process of building applet code with example. [8]

b) Write a program to display factorial of given number using while loop. [8]

Q8) Attempt any Four from the following: [16]

- a) Finally.
- b) Features of Java.
- c) Super keyword.
- d) Java tokens.
- e) do - while loop.

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**B.C.A. (Faculty of Commerce) (Part - III) (Semester -VI)
(New) (Revised) Examination, April - 2016**

JAVA PROGRAMMING

Sub. Code:66425

Day and Date :Saturday, 16 -04 -2016

Total Marks : 80

Time :3.00 p.m. to 6.00 p.m.

- Instructions :**
- 1) Each question carry 16 marks.
 - 2) Solve any four question from Q.1 To Q.7
 - 3) Q.8 is Compulsory.

- Q1) a) List and explain features of java. [8]**
b) Differentiate between Java and c++. [8]
- Q2) a) Explain Looping statement used in Java with example. [8]**
b) Explain multiple catch statement with example. [8]
- Q3) a) Explain Over ridding with example. [8]**
b) Explain adding applet to java file with example. [8]
- Q4) Explain package in detail. [16]**
- Q5) a) What is constructor? Explain its types. [8]**
b) Explain type casting with example. [8]
- Q6) a) Explain thread priority. [8]**
b) Write a program to identify whether entered character is uppercase character, lowercase character, digit or symbol. [8]

P.T.O.

Q7) What is thread? Explain life cycle of thread.

[16]

Q8) Write short notes on following (any four).

[16]

- a) Data types in Java.
- b) Class and Objects.
- c) Destructor.
- d) Abstract Window Toolkit.
- e) Stopping and blocking a thread.

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B.C.A. (Commerce) (Part - III) (Semester - VI) Examination, October - 2017

JAVA PROGRAMMING (Paper - 604)

Sub. Code : 66425

Day and Date : Friday, 13 - 10 - 2017

Total Marks : 80

Time : 02.30 p.m. to 05.30 p.m.

- Instructions :**
- 1) Attempt any four From Q. No.1 to Q. No. 7.
 - 2) Q. No. 8 is compulsory.
 - 3) Figures to the right indicate marks to the question.

Q1) a) List and explain different features of java?

b) Explain in brief different types of data types supported by java?

Q2) a) Define operator? Explain different types of operators available in java with example?

b) What do you mean by looping statements? Explain different types of looping statements used in java?

Q3) a) What do you mean by packages? Explain different types of built in packages available in java?

b) What is mean by method overloading? Explain method overloading with example?

Q4) a) Define inheritance? Write a program to implement hierarchical inheritance consist of three Classes College is super class while BCA and BCS are derived classes? User has to input appropriate information for respective classes from user and display it?

b) Define a constructor? Explain different types of constructors used in java?

- Q5) a) Write a java program to find maximum number among three numbers?
 b) What do you mean by exception handling? Explain various types of built in exceptions available in java?

- Q6) a) What do you mean by multithreading? How to create and extend thread class with syntax and example?
 b) Differentiate between java and C++.

- Q7) a) What do you mean by applets? Explain life cycle of applets with suitable diagram?
 b) Define AWT package? Explain various component classes used in AWT package?

Q8) Write short note on (any four) :

[16]

- a) JVM
 b) Evolution of java
 c) Class and objects
 d) Interface
 e) Finally clause



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B.C.A. (Faculty of Commerce) (Part-III) (Semester-VI)
(Revised) (New) Examination, April - 2017
JAVA PROGRAMMING (Paper-604)

Sub. Code : 66425

Day and Date : Thursday, 13-04-2017

Time : 3.00 p.m. to 6.00 p.m.

Total Marks : 80

- Instructions :
- 1) Q.No. 8 is compulsory.
 - 2) Solve any four questions from Q.No 1 to Q.No 7.
 - 3) All questions carry equal marks.

- Q1) a) What is Java? Explain any six features of Java. [8]
b) Explain Java environment in detail. [8]
- Q2) a) Explain concept of subclass with example. [8]
b) Write a program having use of constructor. [8]
- Q3) a) Describe destructor in Java. [8]
b) What is mean by system packages? Explain any three system packages used in Java. [8]
- Q4) What is an interface? Explain it with suitable example. [16]
- Q5) a) What is multithreading? Explain thread priority in detail. [8]
b) Explain use of 'throws' keyword with example. [8]
- Q6) a) What is an applet? Explain Applet life cycle. [8]
b) Write a program to calculate sum of digits of given number. [8]

P.T.O.

Q7) What is applet? How to compile and execute applet code? How to add applet code to HTML file. [16]

Q8) Attempt any four from the following. [16]

- a) Method Overloading.
- b) AWT.
- c) Operators in Java.
- d) If.....Else in Java
- e) Thread method in Java.

✓ ✓ ✓

Q1) a) What is Java? Explain any six features of Java. [8]
 b) Explain Java environment in detail. [8]

Q2) a) Explain concept of subclass with example. [8]
 b) Write a program having use of constructor. [8]

Q3) a) Describe destructor in Java. [8]
 b) What is meant by system packages? Explain any three system packages used in Java. [8]

Q4) What is an interface? Explain it with suitable example. [16]

Q5) a) What is multithreading? Explain thread priority in detail. [8]
 b) Explain use of 'throw' keyword with example. [8]

Q6) a) What is an applet? Explain Applet life cycle. [8]
 b) Write a program to calculate sum of digits of given number. [8]

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B.C.A. (Part - III) (Semester - VI) Examination, April - 2018**JAVA PROGRAMMING (New/Revised)****Sub. Code : 66425****Day and Date : Thursday, 19 - 04 - 2018****Total Marks : 80****Time : 03.00 p.m. to 06.00 p.m.**

- Instructions:**
- 1) Each question carry 16 marks.
 - 2) Solve any four questions from Q. 1 To Q. 7.
 - 3) Q. 8 is Compulsory.

- Q1) a)** What is inheritance? Explain hierarchical inheritance with example. [8]
b) Explain the use of Final statement with example. [8]
- Q2) a)** Write syntax and explain branching statement used in java with example. [8]
b) Explain thread priority. [8]
- Q3) a)** Explain subclass constructor with example. [8]
b) Explain adding applet to java file with example. [8]
- Q4)** What is polymorphism? Explain its types with example. [16]
- Q5) a)** What is constructor? Explain its types. [8]
b) Differentiate between Java and C++. [8]
- Q6) a)** Explain Class and Objects in java with example. [8]
b) Write a java program which use try and catch for exception handling. [8]

P.T.O.

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Q7) a) Explain Applet Life Cycle.

[8]

b) Explain Features of Java Programming.

[8]

Q8) Write short notes on following (any four):

[16]

a) Data types in Java

b) System Package

c) Access specifier

d) Abstract Window Toolkit

e) Type casting

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