

2015

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. Why JAVA is platform independent object oriented language ? Explain with its features.
2. Define constructor and function over loading.
3. Explain the reason for each keywords of :
public static void main (string args[])
4. Describe the use and functioning of Try and Catch.
5. How can we convert string to number in JAVA ?

6. Explain Interface and Abstract class in JAVA.
7. Differentiate between aggregation and generalization in OOP.
8. Write a program in JAVA to generate even numbers between 1 to 20.
9. Write a program in JAVA to find the size of a given string into characters.
10. Discuss the architecture and components of EJB.



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VKV(5) — BCA (3)

2018

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. What do you mean by Object oriented Programming language ? Discuss the various features of OOPS.
2. What is Inheritance ? Describe the various types of inheritance with example.
3. Explain Interfaces. How are interfaces created and implemented in Java ? How is an interface different from class ?

VE - 13/2

(Turn over)

4. Write short notes on following :
- (a) Wrapper class
 - (b) Java Virtual Machine (JVM)
 - (c) Stream Class
5. What is Multithreading ? Explain the life cycle of multithreading.
6. How can we handle string in Java ? Write an application program in Java to check whether the two input strings are equal.
7. Write a Java program to input five different integer values and arrange them in descending order.
8. Differentiate among for, while and do while loop in Java.
9. What is Swing libraries ? Define its features.
10. What is the method overriding in Java ?

VE - 13/2 (600)

(2)

VKV(5) — BCA (3)

2019

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. .What is an Applet ? Explain the Applet's Life Cycle and its methods.
2. What is JDBC ? Explain the basic components of JDBC. Explain, in detail, the different drivers of JDBC.
3. Explain Multithreading. Write a program to create two threads, one thread will print odd numbers and second thread will print even numbers between 1 to 10 numbers.

4. Write a program to maintain file using Data Input Stream / Data Output Stream Object and implement menu driven programming with the following options :
- (i) Searching of Object using key values
 - (ii) Modification
 - (iii) Append
5. What is event delegation model ? What are its basic components ? Write a program to simulate a simple calculator using AWT.
6. What are swings in Java ? Write a program in Java to illustrate the use of swing control.
7. What is JAVA Bean ? What are its advantages ? Explain its properties and methods.
8. Explain transactions, security and timer specification of container services in EJB.
9. What is Socket ? Write a program illustrating creation of a server socket, waiting for client request and then responding to a client that requested for connection by greeting it.

ZE - 3/2

(2)

Contd.

10. Write short notes on the following :

- (a) Standard Java Packages
- (b) URL class
- (c) Net Beans
- (d) Java class loaders



ZE - 3/2 (800)

(3) VKV(S-5) — BCA (3)