UDHC — CA (10)

2016

Time : 3 hours

Full Marks : 50

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. List all the editions of JAVA API in JAVA programming. Explain the term JDK and java compiler in JAVA.

2. (a) Explain the procedure to create, compile and execute a java program with suitable example.

   (b) What is type Conversion ? How can you initiate type conversion in java programming ?

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(Turn over)

3. (a) Explain the "Boolean Expression" expression1 : expression2 ; statement in java. Explain with example operator precedence in JAVA.

(b) Explain with example the difference between do-while loop and while loop.

4. (a) Define the terms parameter, argument, method signature in JAVA. Can the argument have the same name as its parameter?

(b) Write the methods to compare string in JAVA.

5. (a) Write a program in Java to perform multiplication of two square matrix.

(b) Explain the syntax of printf method as defined in Print Writer Class.

6. (a) What is the purpose of declaring exceptions ? How do you declare an exception and where ? Can you declare multiple exceptions in a method declaration ?
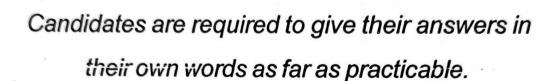
(b) How do you use throws an exception in JAVA ? Can you throws multiple exceptions in one throws statement ?

7. (a) Write a Java program that reads a paragraph of text from the user and displays the entire uppercase alphabet in that paragraph.

(b) Explain all the modifiers can you apply to a method in Java.

8. (a) Describe the life cycle in the Applet class.

(b) Explain with example the difference between GUI program and CUI program in JAVA.

9. (a) Write notes on the following :

(i) Java Pakages

(ii) Data base connectivity using JDBC

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Group – A

1. (a) Explain what is conversion. How is it different from casting ?

    (b) What is method Overloading ? Explain with the help of a program.

2. (a) What is the difference between instance varibales and class variables ? Explain.

    (b) Discuss the features of Java.

3. (a) Differentiate between while and do-while loop.

(b) Write a program to find whether a number is prime or not.

4. (a) Explain the use of this keyword with the help of a program.

(b) Discuss different access specifiers.

Group – B

5. (a) What is a Thread ? What is thread priority ? How can it be set for a thread ?

(b) What are Applets ? Differentiate them from application.

6. (a) Explain the different parameters of APPLET tag.

(b) What are the steps to create a user defined package ? Write a program to create a package and use it.

7. (a) Write a program to create a database connectivity to tasks student and display the data of the tasks.
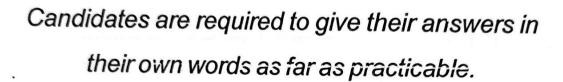
(b) Explain the drivers of JDBC.

8. Write short notes on any **two** of the following :

(a) Life Cycle of Thread

(b) Lang Package

(c) Font Class

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CT – 26/2

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CT – 26/2   (Turn over)

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