**(4)**

**Unit-IV**

8. Explain Layout - Manager with its different types. Give suitable example of each.          15

9. (a) Explain HT TP- with its different methods.

          7½

   (b) Explain Client Side Scripting & Server-side Scripting.          7½

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A          (Printed Pages 4)

# SFS-4714

B.C.A. (Semester-VI) Examination, May 2015

(Old Course)

Introduction to Internet Programming

Paper : II

(BCA-602)

*Time Allowed : Three Hours ]   [Maximum Marks : 100*

Note :   Answer five questions in all. Question No. 1 is compulsory. Attempt one question from each Unit.

1. Attempt all :                    $10 \times 4 = 40$

   (a) What are the Java Programming features.

   (b) Differentiate between applications and applets.

   (c) Differentiate between C++ and Java programming language.

(d) Define the JDK and explain with its tools.

(e) Explain Buffered Reader class in detail.

(f) Differentiate between break and continue statement.

(g) Write short note on AWT.

(h) Short notes on ASP

(i) Short note on Active X

(j) Write the Syntax for creating Button and adding of button in frame.

Unit-I

2. (a) Explain the JVM with its functionalities (draw appropriate diagram) 7½

(b) Explain the difference between final and finally. 7½

3. (a) Write a program in Java to take input as age and name from user and display message as "your age is : …… & name is : …. " using alert box. 7½

(b) Explain Exception handling in detail. 7½

Unit-II

4. What do you mean by data types in Java? Explain different data type in Java with example. 15

5. Write a program in Java to take input Student's name and as five subject marks. Calculate the total marks and percentage (per) print the grade as if 15

$$70 \geq per \geq 60 : grade B$$

$$70 \leq per \leq 80 : grade A$$

$$per > 80 : grade A+$$

Unit-III

6. (a) Explain Abstract Class by giving an suitable example. 7½

(b) Explain Encapsulation and Abstraction in Java by giving an example. 7½

7. Explain Inheritances. What are the different types of inheritance available in Java, explain each with example. 15