(i) Printed Pages: 3]   Roll No. ....

(ii) Questions   : 9]   Sub. Code : ☐0☐9☐3☐1

                                Exam. Code : ☐0☐0☐3☐2

Bachelor of Computer Applications 6th Semester Examination

1047

WEB PROGRAMMING
Paper : BCA-601

Time : 3 Hours]   [Max. Marks : 90

Note :– Attempt *one* question each from Section A, B, C

and D. Section E, Question No. 9 is compulsory.

All questions carry equal marks.

Section–A   18 each

1. Why we use CSS ? Explain its syntax. Explain CSS

   positioning and its various methods.

2. Difference between JavaScript and Java. Design a

   webpage, which takes a number from the user and

   then display the sum of its digits.

N–311   (1)   Turn Over

3. (a) Explain various datatypes in Java.

   (b) What is polymorphism ? Explain its types with examples.

4. (a) What is a constructor ? Explain various types of constructor.

   (b) Explain inheritance and its types in Java.

5. What is a package ? Explain inbuilt and user-defined packages with example.

6. What is Exception Handling ? Explain how multiple catch blocks are handled.

7. Write a program in which two thread classes Thread A and Thread B are created. Both classes extend the thread class. Thread A class displays a string every second for 20 iterations and thread B class displays a string every 2 seconds for 10 iterations.

8. Discuss the following :

   (a) Grid layout

   (b) Border layout

   (c) Event Handling

   (d) AWT

   (e) I/O streams

   (f) Card layout

Section–E   18 each

9. (i) Difference between application and applet.

   (ii) What is layout manager ?

   (iii) Define Deadlock.

   (iv) What is an interface ?

   (v) Define Classpath.

   (vi) Difference between Java and C++

   (vii) What is JVM ?

   (viii) What are client side objects ?

   (ix) Define Tokens.

N–311   (3)