2022

COMPUTER SCIENCE — HONOURS

Paper : DSE-B-4

(Advance Java)

Full Marks : 50

The figures in the margin indicate full marks.

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

Answer **question no. 1** and **any four** questions from the rest.

1. Answer **any five** questions :   2×5

    (a) Write down the disadvantages of javascript.

    (b) Compare between ·empty(), ·remove() and ·detach() in jQuery.

    (c) What is the purpose of errorPage attribute in JSP?

    (d) How does setAttribute() method work for servlet session?

    (e) State two advantages of Factory design pattern.

    (f) What is the significance of jQuery·length?

    (g) How can a session be disabled in JSP?

    (h) Write down syntax of an array in javascript.

2. (a) How does Cookie work in Servlet? Explain creation and deletion of cookie with example.

    (b) Differentiate between GET and POST method in Servlet.

    (c) State the difference between forward() and sendRedirect() method.   4+4+2

3. (a) State the advantages of JSP over Servlet.

    (b) Explain life cycle of JSP.

    (c) Give an example of JSP declaration tag that declares method.   2+4+4

4. (a) Explain different jQuery selectors with example.

    (b) Write code snippet in jQuery to implement blur() and hover() method.   5+5

5. (a) Write a program in javascript that push elements in an array dynamically and display the array in both reversed and sorted order.

    (b) State the features of spring framework. What do you mean by spring beans?   5+(3+2)

Please Turn Over

6. (a) Name the different types of design pattern.

   (b) Discuss about DAO design pattern.

   (c) State the advantages of MVC design pattern. 3+5+2

7. (a) Describe briefly onclick(), onsubmit() and onmouseout() event handling in javascript.

   (b) What are the advantages of JDBC Template over JDBC API? 6+4

8. Write short notes on (*any two*) : 5×2

   (a) Front controller pattern

   (b) Different session tracking techniques

   (c) jsp : include and jsp : forward action

   (d) jQuery form validation rules with custom error messages.

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