DSE-B-4

(Advanced Java)

Full Marks : 50

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

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

   (a) Compare Servlet and JSP.

   (b) What is the purpose of AutoFlash() method?

   (c) State two advantages of factory design pattern.

   (d) How attr() method works for jQuery?

   (e) Discuss the NaN property in Javascript.

   (f) Explain the typeof operator in Javascript.

   (g) Which one is more useful between POST and GET?

   (h) Write down the advantages of MVC architecture.

2. (a) List three characteristics that should be supported by server side scripting tools.

   (b) Write a JSP scriptlet that displays the resultant sum of the numbers between start to end which are received as browser input. You must use loop for this purpose. Say, start = 10 and end = 15, then it should display 75 as output.

   (c) Write down the purpose of errorpage attribute in JSP.   4+4+2

3. (a) Describe the lifecycle of Servlet.

   (b) Explain different jQuery selectors with example.

   (c) State the features of spring framework.   3+4+3

4. (a) Explain the steps of JSP page processing with the help of a diagram.

   (b) Explain with the help of .JSP script, how session object can be used to create a session.

   (c) Write down the difference between JSP include directive and JSP include action.   3+4+3

5. (a) Why is cookie required in session management?

   (b) Why is destruction of a session essential?

   (c) Discuss in brief different methods used for session tracking.   2+2+6

6. (a) Name different MIME types. How it can be set in document using JSP?

   (b) Write code snippet in jQuery that incorporate toggleClass() method. (2+4)+4

7. (a) State the purpose and syntax of the following methods with suitable example :

   (i) jQuery dblclick(), (ii) reverse(), (iii) getParameter(), (iv) getCookies().

   (b) Distinguish between Application server and Web server. (2+2+2+2)+2

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

   (a) Front Controller design pattern

   (b) Exception handling in JSP

   (c) Spring ORM framework

   (d) DAO and DTO.

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