

Total number of printed pages-4

3 (Sem-5/CBCS) CSC HC 1

2023

COMPUTER SCIENCE

(Honours Core)

Paper : CSC-HC-5016

(Internet Technologies)

Full Marks : 60

Time : Three hours

**The figures in the margin indicate
full marks for the questions.**

1. Answer the following questions as directed: 1×7=7

(a) SMTP is used to send, relay or forward messages from a mail client and is not used to receive messages.

(State true or false)

(b) Which of the following CSS property is used to make the text bold ?

(i) text-decoration : bold

(ii) font-weight : bold

(iii) font-style : bold

(iv) text-align : bold

(Choose the correct option)

Contd.

(c) JavaScript exponentiation operator is _____.
(Fill in the blank)

(d) JavaScript handles the HTML events via _____.
(Fill in the blank)

(e) CSS stands for _____.
(Fill in the blank)

(f) _____ is a JSP implicit object.
(Fill in the blank)

(g) JAR format supports compression.
(State true or false)

2. Define the following terms : $2 \times 4 = 8$

(a) HTTP

(b) DNS

(c) MVC

(d) JavaBean

3. Answer **any three** of the following questions:

$5 \times 3 = 15$

(a) Write brief description of *any five* attributes of HTML <input> element.

(b) What are the applications of CSS ?
Explain the syntax of CSS.

(c) Describe *any five* string methods used in JavaScript.

(d) Give brief description of *main four* components of JDBC.

(e) How data is shared between JSP pages ?

4. Answer **any three** of the following questions:

$10 \times 3 = 30$

(a) Design a HTML page to input three numbers and using JavaScript code, display the smallest number.

(b) Write a Java program to create a table and insert records in it using JDBC API.

(c) Explain the differences between JSP and Servlet.

(d) Explain the life cycle of JSP.

- (e) Explain the use of following JSP implicit objects
- (i) request
 - (ii) response
 - (iii) session
 - (iv) exception
- (f) Describe the anatomy of a JSP page.

4. Answer **any three** of the following questions:

- (a) Design a HTML page to input three numbers and using JavaScript code, display the smallest number.
- (b) Write a Java program to create a table and insert records in it using JDBC API.
- (c) Explain the differences between JSP and Servlet.
- (d) Explain the life cycle of JSP.