

Total number of printed pages-3

**3 (Sem-5/CBCS) CSC HC 1**

**2024**

**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. Write full forms of the following : 1×7=7

(a) HTTP

(b) DNS

(c) SMTP

(d) CSS

(e) JSP

Contd.

(f) MVC

(g) JAR

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

(a) Web server

(b) Event handling

(c) Result set

(d) Servlet

3. Answer **any three** of the following questions :  $5 \times 3 = 15$

(a) Describe the Tags used in creating tables in HTML.

(b) Describe *any five* date and time methods used in javascript.

(c) What is JDBC ? Write brief description of *any four* components of JDBC.

(d) Write brief description of *any five* JSP-implicit objects.

(e) Write a short note on JAR file.

4. Answer **any three** of the following questions :  $10 \times 3 = 30$

(a) How CSS can be added to HTML documents ? Explain with suitable example.

(b) What are the similarities and differences between Array and ArrayList in Java ?

(c) Explain the life cycle of JSP.

(d) Design an HTML page to input three numbers and write a javascript code to print the largest number.

(e) Explain the steps to be followed to create a new Bean.

(f) How to use regular expressions in Javascript ? Explain with suitable example.