

No. of Printed Pages : 5

**BCS-053**

**BACHELOR OF COMPUTER  
APPLICATIONS**

**(BCA) (REVISED)**

**Term-End Examination**

**December, 2025**

**BCS-053 : WEB PROGRAMMING**

*Time : 2 Hours*

*Maximum Marks : 50*

*Weightage : 70%*

---

**Note :** (i) *Question No. 1 is compulsory and carries 20 marks.*

(ii) *Attempt any **three** questions from question no. 2 to question no. 5.*

---

---

**C-2028/BCS-053**

**P. T. O.**

1. (a) Write HTML code to create a webpage as shown below : 5

Student Detail							
Name :	<input type="text"/>						
Password :	<input type="password"/>						
Course Code :	<table border="1"> <tr> <td>BCS-053</td> <td>▼</td> </tr> <tr> <td>BCS-011</td> <td></td> </tr> <tr> <td>BCS-054</td> <td></td> </tr> </table>	BCS-053	▼	BCS-011		BCS-054	
BCS-053	▼						
BCS-011							
BCS-054							
<input type="button" value="GO"/>							

- (b) What is the use of CSS ? Explain with the help of an example. 3
- (c) Explain the page directive element of JSP with syntax. 2
- (d) Explain the use of getElementById( ) method embedded in HTML source code. 2

- (e) What is JDBC ? Write a JSP program to insert a record in the student table of database. Make and state suitable assumption, if any. 5
- (f) What is a cookie ? Write command to create a new cookie having a name 'txtcookie'. Also write a command to set the life of this cookie to 5 minutes. 3
2. (a) What is WML ? Design WML program to display the details of a student having attributes as enrolment number, name, program code and course code. 5
- (b) Explain the JSP life with the help of a diagram. 5
3. (a) Explain the role of each tier in 3-tier architecture of web application. 3

- (b) Write a JSP program to print the current date and time. 3
- (c) Differentiate between the following : 4
- (i) <jsp : include> and <jsp : forward>
- (ii) Get and post method
4. (a) What is session management in JSP ?  
Explain the different session tracking methods. 5
- (b) What is meant by Document Object Model in the context of HTML ?  
Write a program using JavaScript and HTML that changes a paragraph text from 'IGNOU' to 'Welcome in IGNOU'. 5

5. Explain any *four* of the following with the help of an example/diagram, if needed :

$$4 \times 2\frac{1}{2} = 10$$

- (a) WML components
- (b) XML scheme
- (c) JDBC-ODBC Bridge
- (d) Deployment descriptor
- (e) Uses of <detail> and <summary> tags

x x x x x