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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.*

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

Student Detail

Name :

Password :

Course Code :

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- (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 :

4×2½=10

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

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