

No. of Printed Pages : 5

BCS-053

**BACHELOR OF COMPUTER
APPLICATIONS (REVISED)
(BCA)**

Term-End Examination

June, 2026

BCS-053 : WEB PROGRAMMING

Time : 2 Hours

Maximum Marks : 50

(Weightage : 70%)

Note : *Question No. 1 is compulsory and carries
20 marks. Attempt any **three** questions
from question no. 2 to question no. 5.*

1. (a) Design a web page using the following
statements : 5
 - (i) Header as 'BCS-053'.

- (ii) Your name as Highlighted text.
 - (iii) Create navigation links for 'about us' and 'contact us'.
 - (iv) Date and time within your page.
 - (v) Footer line should be displayed as copyright symbol with 'IGNOU' text.
- (b) Write a JSP program that prints a sequence of numbers from 1 to 10. Also find the sum of these numbers. 5
- (c) Explain Inline style sheet with example. 2
- (d) Define the role of JDBC in web application. Why is needed DriverManager class ? 3

- (e) What is the purpose of 'alt' attribute on image ? Also write CSS code for adding any colour as the background of the web page. 5

2. (a) What is Action elements ? Define <JSP : plugin> action element with example. 5

- (b) Create a table like the following using HTML Code : 5

Header 1	Header 2
Row 1 Cell 1	Row 1 Cell 2
Row 2 Cell 1	Row 2 Cell 2
	Row 3 Cell 2
Footer 1	

3. (a) What is WML ? Explain any *two* of the WML navigational elements with example. 5
- (b) Compare and contrast the following : 5
- (i) Session and Cookie object.
- (ii) ExecuteQuery() and executeUpdate() methods.
4. (a) Design a JSP page to fetch the records of the student having attributes such as ENO, name, data and programme code from any database table using JDBC type-1 driver. 5
- (b) What are the scripting elements of JSP ? Explain with the help of an example. 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) `<error-page>` element in JSP page.
- (b) Request Implicit Object.
- (c) Web container.
- (d) Handling of OnClick event.
- (e) META Tag in HTML.

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