Sixth Semester B.Sc., Degree Examinations

May / June 2026

(NEP Scheme)

COMPUTER SCIENCE

NSF0730 : Web Technologies

Time: 2 hrs.] [Max.Marks:60

Instructions to Students :

1) The students should legibly write Section number along with question numbers within the margin ONLY.
2) The answers without Section number and question numbers will not be valued.
3) Section – I Multiple Choice Questions should be answered in the First Page of Main answer book and same questions shall not be answered repeatedly.
4) Any identifications like marking, ticking, dots etc., in the options of MCQ (SECTION - I) on the question paper is strictly prohibited. Do not write anything (Except Reg. No.) on the question paper.

SECTION – I

I. ***Select the most appropriate answer from the options provided :*** ***10X1=10 Marks***

I-1) Which attribute is used to provide a unique name to an HTML element

a) id b) class

c) type d) None of the above

I-2) Which HTML tag is used to create a hyperlink?

a) <link> b) <href>

c) <a> d) <hyperlink>

I-3) Which of the following property is used to control the space between the border and content in a table?

a) border b) padding

c) margin d) resize

I-4) What is DOM?

a) Application programming interface

b) Hierarchy of objects in ASP.NET

c) Convention for representing and interacting with objects in html documents mentioned.

d) None of the above

Contd...2

Q.P. Code No.31623

I-5) Which HTML tag is used to declare internal CSS.

a) <style> b) <link>

c) <script> d) None of the above

I-6) Which of the following programming languages is commonly used for server-side scripting in web development?

a) HTML b) CSS

c) JavaScript d) Servlets

I-7) When does JavaScript code appear within an HTML file?

a) Between or Outside the "script" tag

b) Between the header tag

c) Outside the "script" tag

d) Between the "script" tag

I-8) What is the purpose of the event handlers in the JavaScript?

a) Adds inner HTML page to the code

b) Allows JavaScript code to alter the behaviour of windows

c) Performs handling of exceptions and occurrences.

d) Change the server location

I-9) Which of the following communicates with server-side CGI scripts through HTML form submissions and can be written without the use of JavaScript?

a) Interactive Web Pages b) Static Web Pages

c) Conditional Web Pages d) All web pages

I-10) What is the primary purpose of authentication in web application security?

a) Authorizing user access

b) Verifying the identity of users

c) Controlling user permissions

d) Enhancing website aesthetics

SECTION – II

II. *Answer on any FIVE of the following questions :* *5X3=15 Marks*

II-1) Define web browser and search engine. Give example for each.

II-2) What is web server? Write any two server side scripting languages.

II-3) What is XML? Write Syntax Rules for XML Declaration.

II-4) List the types of style sheets.

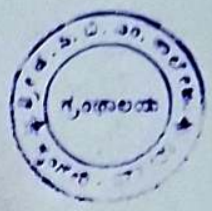
Contd..3

II-5) What is Java script? What is the need of scripting languages in web technologies?

II-6) What are the scopes of a variable in Java Script?

II-7) What is Servlet? How Servlet is better than CGI?

II-8) What is SQL Injection? How to prevent SQL Injection.



SECTION – III

III. ***Answer on any THREE questions from the following:*** ***3X 5= 15 Marks***

III-1) What is list tag in HTML? Explain the types of list supported by HTML with example.

III-2) List any five advantages of XML Schemas over DTDs.

III-3) What is external CSS? Explain with an example.

III-4) What is an event? Explain event handling in Java Script with example.

III-5) What are cookies? Mention its types? Write the advantages and disadvantages of cookies.

SECTION – IV

IV. Answer the following. ***2X 10= 20 Marks***

IV-1) a) i) Explain the principles of web designing.

ii) Explain Table tags with example. (5+5)

OR

b) i) Explain Box model in CSS.

ii) Write a note on CSS selectors. (5+5)

IV-2) a) i) How arrays are created in JavaScript ? Explain different ways of constructing arrays.

ii) Explain exception handling in JavaScript with suitable example. (5+5)

OR

b) i) What is authentication ? Explain different types of authentication in web security.

ii) Explain life cycle of a Servlet. (5+5)

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