



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)  
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Continuous Internal Assessment- I August 2025**  
**SEMESTER V**

**Class: III B.Sc**  
**Major: Computer Science**

**Time: 2 hours**  
**Max.Marks: 60**

**23BCSC10 Internet Technologies**

**Course Outcomes:**

At the end of the course, students will:

CO1: Obtain the knowledge related to the internet & how the internet is changing the world.

CO2: Gain knowledge on how computers are connected to the internet & demonstrate the knowledge on how to use the world wide web.

CO3: Demonstrate an understanding of and the ability to use email & other internet based services.

CO4: Apply the design principles of web pages and how they are created.

CO5: Develop an ability to create basic web pages with HTML.

**Part A**

**Choose the correct answer**

**6 x 1 = 6**

1. Which protocol is primarily used to transfer of files over the internet? CO1K1  
a. HTTP    b. FTP    c. SMTP    d. POP
2. Which of the following is used for writing a web page code? CO1K2  
a. C++    b. Perl    c. HTTP    d. HTML
3. which part of the HTML contains metadata?  
a. Head Tag    b. Title Tag    c. HTML tag    d. Body Tag  
CO2K1
4. What is the purpose of XML? CO2K2  
a. Design, Store    b. Store, Transport    c. Design, Style    d. Style, Store
5. What are the main front end components of any working browser? CO2K3  
a. HTML, CSS, JavaScript    b. only HTML    c. CGI Script    d. Node.js
6. What does scalar variable in Perl denote? CO3K2  
a. Arrays    b. Single Value    c. Float Values    d. Hashes

**Part B**

**Answer All Questions**

**3 x 6 = 18**

**Each answer should not exceed 400 words or two pages**

7. a. Explain i) Internet ii) Intranet iii) Extranet. Compare. CO1K2  
(OR)  
b. Explain the following: (i) Domain Name System ii) email protocols. CO1K2
8. a. Write a HTML program to describe a table with the rows, cols, rowspan and colspan attributes properties. CO2K2  
(OR)  
b. Elaborate on (i) HTML colors    (ii) Image maps with example program. CO2K2
9. a. What is the role of CGI in web development. CO2K2  
(OR)  
b. Mention the advantages of Perl. CO3K2

**Part C**

**Answer All questions**

**3x12 = 36**

**Each answer should not exceed 800 words or four pages**

10. A. Elaborate on Internet routing protocols. CO1K2  
(OR)  
B. Elaborate on (i) evolution of the World Wide Web (ii) HTTP request and response. CO1K2
11. A. Describe the different levels of style sheets and their precedence. Explain the different selector forms in CSS. CO2K2  
(OR)  
B. Mention the rules of a well-formed XML document. Differentiate between XML and HTML? Explain XML validation and schema definition using an example CO2K2

12. A. Discuss the basic syntax of XHTML and explain it with a simple program. Highlight the key differences between XHTML and HTML. CO2K2

(OR)

B. Demonstrate regular expressions in Perl with an explanation using an example program. CO3K1

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Faculty In-Charge: Dr.B.Sarojini & Mrs.S.Preema  
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