



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 (now MoE)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Master's Degree Examination – May 2025 II Semester

Class : I P.G.
Major : Information Technology

Time: 3 Hours
Max. Marks: 100

23MITC09 Internet and Web Programming

Course Outcomes:

- CO1: Have knowledge in basic techniques necessary for the development of web-based applications.
CO2: Apply style sheets for processing, identifying, and presenting of information in web pages.
CO3: Develop well-formed web browser-based documents utilizing XML and website using bootstrap
CO4: Use scripting languages to transfer data and add interactive components to web pages.
CO5: Design a basic web site using Word Press.

Part A Choose the Correct Answer

10 x 1 = 10

- Which of the following is required to access the Internet?
a. A Web Browser b. A Server c. A Search Engine d. A Database CO1K1
- What is the correct HTML element for inserting an image?
a. <image> b. c. <src> d. <picture> CO1K1
- Which HTML tag is used to include an external CSS file?
a. <style> b. <script> c. <link> d. <css> CO2K1
- Which CSS property controls the text alignment within an element?
a. align-text b. text-align c. align d. text-position CO2K1
- Which of the following classes in Bootstrap is used to create a responsive navigation bar?
a. .navbar b. .nav-bar c. .menu d. .nav-list CO3K1
- What is the correct XML format for a comment?
a. <!-- This is a comment --> b. // This is a comment
c. /* This is a comment */ d. # This is a comment CO3K1
- Which function is used to parse a string to an integer in JavaScript?
a. parseInt() b. parseFloat() c. toInteger() d. Number() CO4K1
- Which directive is used to bind data in AngularJS?
a. ng-bind b. ng-model c. ng-controller d. ng-app CO4K1
- Which programming language is WordPress written in?
a. JavaScript b. PHP c. Python d. Java CO5K1
- Which plugin is commonly used for SEO optimization in WordPress?
a. WooCommerce b. Jetpack c. Yoast SEO d. Elementor CO5K1

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Discuss the difference between web browser and web server. CO1K2
(or)
- 11.b. Define Table tag and their attributes with an example. CO1K1

- 12.a. Write a CSS rule to create a box with a border, padding, and a shadow effect. CO2K1
(or)
- 12.b. List and explain five important properties of CSS with examples. CO2K1
- 13.a. What is Bootstrap, and why is it used in web development? CO3K1
(or)
- 13.b. Explain the significance of DTD and XML Schema in XML validation. CO3K2
- 14.a. Write a JavaScript function to check if a given number is even or odd. CO4K2
(or)
- 14.b. Explain the difference between `$(document).ready()` and `window.onload` in jQuery. CO4K2
- 15.a. How do you add a custom navigation menu with links in WordPress? CO5K1
(or)
- 15.b. Explain the difference between tags and categories in WordPress. CO5K2

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a.i. Explain the structure of the HTML webpage with an example.(6)
- ii. Explain List Tag with an example. (6) CO1K2
(or)
- 16.b. Define Form tag. Design a Registration page by using all Form controls. CO1K3
- 17.a. Differentiate between inline, internal, and external CSS with examples. CO2K3
(or)
- 17.b. Write a CSS rule to change the background color of a webpage to light blue and apply it using an external stylesheet. CO2K1
- 18.a. List and explain five important Bootstrap components with examples. CO3K1
(or)
- 18.b. Describe the role of namespaces in XML and provide an example of how they are used. CO3K2
- 19.a. Create a JavaScript program that validates an email address using regular expressions. CO4K4
(or)
- 19.b. Explain the role of Directives, Modules, and Controllers in AngularJS with examples. CO4K4
- 20.a. Describe the steps to create a custom widgetized sidebar in WordPress. CO5K2
(or)
- 20.b. Compare on-page SEO and off-page SEO in the context of WordPress. CO5K4
