

**AMIETE – CS/IT (Current Scheme)**

Time: 3 Hours

**JUNE 2015**

Max. Marks: 100

**PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.**

**NOTE: There are 9 Questions in all.**

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

**Q.1 Choose the correct or the best alternative in the following: (2×10)**

- a. In HTML, the page title is inside the \_\_\_\_\_ tag
- (A) Body (B) Head  
(C) Division (D) Table
- b. XML stands for
- (A) Extended Markup Language  
(B) Extensible Markup Language  
(C) Extended Multimedia Language  
(D) None of these
- c. We send and receive HTML file using which protocol?
- (A) SMTP (B) POP3  
(C) HTTP (D) FTP
- d. PHP stands for
- (A) PHP Hypertext Preprocessor (B) Perfect Hypertext Preprocessor  
(C) Past Hypertext Preprocessor (D) None of these
- e. HTML5 documents are edited using a(n) \_\_\_\_\_.
- (A) compiler (B) browser  
(C) operating system (D) text editor
- f. The main function of a browser is to
- (A) compile HTML (B) interpret HTML  
(C) de-compile HTML (D) interpret CGI programs

**Code: AC75 / AT75**

**Subject: INTERNET APPLICATIONS**

- g. Which one of the following is not a JavaScript's data type?
- (A) Numeric (B) Boolean  
(C) Character (D) Null
- h. What is the correct CSS for making all the <p> element bold?
- (A) p {text-size:bold} (B) p {font-weight:bold}  
(C) style:bold (D) p{font:bold}
- i. What is the correct HTML for adding a background color?
- (A) <body background="yellow">  
(B) <background>yellow</background>  
(C) <body style="background-color:white">  
(D) None of these
- j. What is the correct JavaScript syntax to write "Hello World"?
- (A) System.out.println("Hello World")  
(B) println ("Hello World")  
(C) document.write("Hello World")  
(D) response.write("Hello World")

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**Answer any FIVE Questions out of EIGHT Questions.**  
**Each question carries 16 marks.**

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- Q.2** a. What is a frameset? Write HTML code of a frameset to create a table of two rows and a single table. (2+4)
- b. What is the role of HTML Forms? (4)
- c. How image is embed in HTML page? Discuss the attributes of <img> tag. (2+4)
- Q.3** a. Describe the different ways of styles that can be added to a page. (2+6)
- b. Discuss the following CSS terms with examples: (2×4)
- (i) CSS Border (ii) Padding Properties  
(iii) Selectors (iv) CSS media types
- Q.4** a. Explain the working of break and switch statements in JavaScripts with examples. (2+2)
- b. Explain the terms 'Exception Handling' with an appropriate example in Javascript. (2+2)
- c. What do you understand by events in JavaScript? Write a code in JavaScript to display the date when (an event) a button is clicked. (4+4)

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- Q.5** a. What is a Rollover Button? What are the types and uses of Rollover Buttons? (2+2)
- b. Write a code for creating a simple form and also write JavaScript that perform primitive checking of data. (4+8)
- Q.6** a. Explain the scalar. Define the different functions which operate on scalars. Also define arrays and hash data types of Perl. (2+4+4)
- b. What are the different control structures in PERL? Explain in detail. (6)
- Q.7** a. What is CGI? Explain. (4)
- b. How to save a cookie after the header has been sent in Perl CGI? Explain. (4)
- c. Explain PERL DBI through a diagram. (4+4)
- Q.8** a. What are advantages of PHP sessions? How is a PHP session created? (4+4)
- b. Give a short note on PHP-XML Parser Functions. (4+4)
- Q.9** a. Exemplify DOM to present an XML document as a tree-structure. (2+6)
- b. What is a DTD? Why is it used? (2+2)
- c. What is an Entity in XML? How many types of entities are used in xml? (2+2)