Code: AC75/AT75/AE128/AC128/AT128   Subject: INTERNET APPLICATIONS

AMIETE – ET/CS/IT (Current & New Scheme)

Time: 3 Hours   **December 2016**   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.   Inside a _____ tag the text is only wrapped when the source has a line break and tabs or multiple white spaces are not converted to a single space.
(**A**)
</br>   (**B**) <pre></pre>
(**C**) <head></head>   (**D**) <body></body>

b.   In CSS2, _____ content is designed for speech synthesis software.
(**A**) Print   (**B**) handheld
(**C**) Aural   (**D**) embossed

c.   _____ maintains a stack of layers of content.
(**A**) xml   (**B**) browser
(**C**) html   (**D**) XHTML

d.   _____ allows you to cascade the style of your page elements (spacing, margins, etc.) separately from the structure of your document.
(**A**) Filters   (**B**) Style declarations
(**C**) Cascading Style Sheets   (**D**) Text flows

e.   _____ syntax in string manipulation is used to search for a string or quoted character in first parameter.
(**A**) indexOf("search"[, offset])   (**B**) indexOf("search"[1,offset])
(**C**) charAt("search",1)   (**D**) firstIndex("search"[, offset])

f   The objects described in software and design constructs are called _____.
(**A**) Method   (**B**) Classes
(**C**) Data   (**D**) Programs

g.   In JavaScript, when the onLoad event happens, the _____ function is called.
(**A**) start()   (**B**) Init()
(**C**) Begin()   (**D**) Exit()

h.   There are _____ types of blocks in Perl.
(**A**) One   (**B**) Two
(**C**) Three   (**D**) Four

    i. A _____ is simply a piece of textual information which rather than being stored on the server is actually stored on the client machine.
        (A) Plug-in   **(B)** Virus
        (C) Password   **(D)** cookie

    j. A Perl code is placed inside _____ tags.
        (A) <%init>   **(B)** <style>
        (C) <%perl>   **(D)** <@init>

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

Q.2   a. What do you mean by URLs? How do you use this to link to specific sections and link to other pages? Explain with an example.   **(8)**

      b. What is XHTML? Why it is known as evolutionary?   **(6)**

      c. Write an HTML code to create radio buttons and submit button.   **(2)**

Q.3   a. Write short notes on the following CSS terms with examples: **(2×4)**
        (i) CSS Border   (ii) Padding Properties
        (iii) Selectors   (iv) CSS media types

      b. What are the improved features in CSS2 as compared to CSS?   **(8)**

Q.4   a. Explain String Length, chatAt string manipulation in javascript with example.   **(8)**

      b. What is a Rollover Button? What are the types and uses of Rollover Buttons?   **(8)**

Q.5   a. Write the JavaScript code to display messages in the status bar when the mouse moved over a link.   **(8)**

      b. Write a script to place your logo on your Website in such a way that it floats on the page as the user scrolls up and down**.**   **(8)**

Q.6   a. Explain any four PERL functions along with its syntax which operate on arrays of data   **(8)**

      b. Explain various scalar data assignments used in PERL with example.   **(8)**

Q.7   a. Explain the usage of GET and POST methods used in PERL and explain how information is passed to a CGI program by POST method?   **(8)**

      b. Give a short note on uploading files on web with PERL.   **(8)**

Q.8   a. Explain any 8 array functions used in PHP.   **(8)**

      b. Differentiate between storing data in cookies and session variables. Explain their proper usage.   **(8)**

Q.9   a. Write a note on USING ML::PARSER and any of its six methods.   **(8)**

      b. What is DTD? Give meaning of all control characters used in DTD elements which control repetition.   **(8)**