

Subject: INTERNET APPLICATIONS**Time: 3 Hours****Max. Marks: 100****JUNE 2011****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. The Hyperlinks `<a href=.....></a>` tag is used for

- (A) accessing Hyper media
- (B) accessing other HTML page
- (C) accessing image
- (D) accessing audio

b. How you can apply style on a `<div>` tag of HTML.

- (A) by using class attribute
- (B) by using style attribute
- (C) by using href attribute
- (D) by using apply attribute

c. Comments can be inserted in the HTML code to make it more readable and understandable.

- (A) by using `<% %>`
- (B) by using `<!-- -- >`
- (C) by using `//`
- (D) by using `<!% %>`

d. The purpose of the style attribute is:

- (A) apply style on element
- (B) apply background style
- (C) apply foreground style
- (D) apply texture on text

e. What are the selectors of link tag in CSS

- (A) `A:link,A:visited,A:active,A:hover`
- (B) `A:link, A:background,A:active,A:hover`
- (C) `A:link, A:hover,A:background,A:foreground`
- (D) `A:color,A:hover,A:visited,A:active`

- f. `I B {font-size: 16px; }`
What is the impact of above style
- (A) Context dependent style (B) Level dependent style
(C) All tag will be 16px (D) None of the above.
- g. CGI programming is
- (A) Process based
(B) Thread based
(C) Thread under Web server
(D) None of the above
- h. How you can add Longer lived cookies by using JavaScript
- (A) `document.cookie="cookieName=cookieValue;expires=date;path=path;domain=domain;secure";`
(B) `document.cookie="cookieName=cookieValue;expires=date;path=path";`
(C) `document.cookie="cookieName=cookieValue;sustain";`
(D) None of the above.
- i. What does a special set of tags `<?=` and `?>` do in PHP?
- (A) The output is displayed directly to the browser
(B) For calculation of expression
(C) For doing comments
(D) For defining function
- j. Will comparison of string "10" and integer 11 work in PHP? State proper reason.
- (A) No, Integer cannot be compare with String.
(B) Yes, internally PHP will cast everything to the integer type, so numbers 10 and 11 will be compared.
(C) Yes, Integer 11 needs to convert String, after that comparison possible.
(D) None of the above.

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

- Q.2** a. How image embed in HTML page. Discuss the attributes of tag. (4)
- b. Write appropriate HTML code to generate following output: (8)

WEATHER FORECAST		
REGION	MAX. TEMP	MIN. TEMP
EAST	40° C	30° C
WEST	38° C	29° C
SOUTH	45° C	38° C
NORTH	35° C	25° C

- c. What is the role of HTML forms? (3)
- Q.3** a. Write HTML document with CSS, such that when you position the mouse over link it should display crosshair cursor. (3)
- b. What do you understand by 'style'? What are the benefits of using styles compared with placing formatting directly into the text of webpage? State the different styles which can be applied to HTML document. (10)
- c. What shortcomings of cascading style sheets does CSS2 address? (3)
- Q.4** a. Design an HTML form which has following field with validation rule, embed javascript to implement the client side validation. (4+6)
 Name field is mandatory to fill.
 Email field is mandatory to fill.
 Age Field is Optional
 Tel_No is Optional
- b. (i) Discuss the Exception Handling in Javascript (4)
 (ii) What events can Javascript handle? (2)
- Q.5** a. How you open a New Window by javascript, discuss with skeleton code. (5)
- b. Write javascript code for creating 'alert' and 'Confirm' box. (6)
- c. How to create rollover button by using javascript? (5)
- Q.6** a. What is split in Perl? Discuss with skeleton code. (4)
- b. What do you mean by reentrant form? Discuss with example program in Perl. (8)
- c. How can Perl variable act as a string and a number? (4)
- Q.7** a. How environment variable is accessed from perl program. Discuss with skeleton code. (4)
- b. What is CGI? (2)
- c. Write a database application using Perl DBI. How easy is it to build such an application so that it can be queried and updated from a web page? (10)
- Q.8** a. State the main features of PHP for its popularity. Also explain its datatypes. (4)
- b. Design an HTML file which contains two text field and four buttons 'Add', 'Subtract', 'Multiply' and 'Divide' inside a Form. Write a PHP script file which calculates respective button event. (4+8)
- Q.9** a. What is Well-Formed Document? What do you mean by parsing? How many different techniques are available for parsing XML document? Discuss about them. (3+1+5)
- b. Write a sample XML document and it's DTD. (3+4)