

Subject: INTERNET APPLICATIONS

Time: 3 Hours

Max. Marks: 100

DECEMBER 2010

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 half an hour 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. HTML paragraphs are defined with the _____ tag.
- (A) <pre> (B) <para>
(C) <p> (D) <paragraph>
- b. The # in the href attribute defines a link to a _____
- (A) named anchor (B) named paragraph
(C) other page (D) named heading
- c. The style attribute is a new HTML attribute. It introduces _____ to HTML.
- (A) XSL (B) CSS
(C) XSLT (D) CSTC
- d. What are the different levels to define CSS?
- (A) paragraph level only (B) tag, page and whole site levels
(C) only tag level (D) only page level
- e. CSS offers positioning methods for background images in horizontal direction. Which syntax is correct for implementing the above
- (A) body{background-repeat: repeat}
(B) body{background-repeat:repeat-x}
(C) body{background-repeat:repeat-y}
(D) body{background-repeat:horizontal}
- f. Is it possible to redefine cursor by using CSS?
- (A) Yes (B) No

- g. When CGI program runs, then it creates
- (A) a process (B) a thread
(C) a service (D) a transaction
- 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 is the purpose of tags `<?=` and `?>` in PHP?
- (A) The output is displayed directly to the browser.
(B) The output is displayed directly to the server console.
(C) The output is displayed directly to the client console
(D) The output is display to standard device
- j. Is it possible to compare number and string in PHP? If yes, states the proper reason.
- (A) No, Integer can not be compare with String.
(B) Yes, internally PHP will cast everything to the integer type
(C) Yes, internally PHP will cast everything to the string type
(D) None of the above.

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

- Q.2** a. Write a style sheet to create underline on a link when hover occurs. (4)
b. Write a style sheet to create underline and overline to a link. (4)
c. Write a style sheet to create links that have permanent background color. (4)
d. Write a style sheet to create links that change in size when hovered. (4)
- Q.3** a. What is sub-routine? Write a sub-routine in PERL which returns the maximum of two input parameter. (2+6)
b. What is associative array? What are the differences between Associative Array and Array in PERL? Write Skeleton code for accessing element of Associative Array. (2+2+4)
- Q.4** a. What is Cookies? Write PHP code for setting and retrieving cookies. (2+4)
b. What is session? Write code fragment in PHP for storing value in Session. (2+4)

c. Write PHP code for displaying current date and time.

Q.5 a. Design an HTML form which has following field with validation rule, embed javascript to implement the client side validation.
 Name field is mandatory to fill.
 Email field is mandatory to fill.
 Age Field is Optional
 Tel_No is Optional. (4+6)

b. Create a table using HTML tags in the following format:-

Weather Forecast

Temp	Delhi	Mumbai	Kolkata	Chennai
Highest	43	33	40	45
Lowest	30	23	20	25
Humidity	33%	80%	60%	70%

(6)

Q.6 a. What is Event Handler in javascript? What is the significance of the Event Handler available in javascript, Write any six of them. (10)

b. Use CGI.pm to write a script which returns an empty HTML page. (6)

Q.7 a. What is split in PERL? Explain with skeleton code. (4)

b. What is CGI? What are the limitations in developing CGI application? (8)

c. How environment variable is accessed from PERL program? Explain with the help of skeleton code. (4)

Q.8 a. What is XML? What are the differences between XML and HTML? What are DOM and SAX? (2+3+3+3)

b. Write an XML Schema for validating an XML file. (5)

Q.9 a. Write a javascript function for opening a New Window. This function will be called when a link will be clicked. (4)

b. What are the advantages of javascript over CGI for form validation (4)

c. Write a script which accepts a date from the user, add 70 to it and display the result. The date will appears as string in the script. (8)