

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. Which sequence of HTML tags are correct?

- (A) `<html><head><title></title></head><body></body></html>`
- (B) `<html><head></head><body><title></title></body></html>`
- (C) `<html><head><title></title><body></body></head></html>`
- (D) `<html><title></title><head></head><body></body></html>`

b. Which command we use to link a page with an HTML page?

- (A) ``
- (B) ``
- (C) ``
- (D) ``

c. We send and receive HTML file using which protocol?

- (A) SMTP
- (B) POP3
- (C) HTTP
- (D) FTP

d. Which one of the following is not a valid option for applet tag?

- (A) code
- (B) height
- (C) width
- (D) align

e. Which of the following is false?

- (A) styles can be defined within the HTML tag
- (B) styles can be defined in head section
- (C) styles can be defined in form tag
- (D) styles can be defined in external files

f. The _____ part of CSS is used to create a link between the rule and HTML tag.

- (A) declarations
- (B) selector
- (C) tags
- (D) none

g. The _____ class allows you to apply formatting to only some elements on a page but not necessarily to the entire page.

- (A) selector
- (B) anonymous
- (C) header
- (D) none

h. The variable names in JavaScript cannot begin with _____.

- (A) letter
- (B) \$
- (C) underscore
- (D) digit

i. which one of the following is not a JavaScript's data type?

- (A) Numeric
- (B) Null
- (C) Character
- (D) Boolean

j. Identify the wrong method of creating arrays using JavaScripts.

- (A) var days = ["Mon", "Tue", "Wed"]
- (B) var daya = new Array("Thu", "Fri", "Sat");
- (C) var days = new Array(4)
- (D) none

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

Q.2 a. Explain the role of forms in HTML. (5)

b. Differentiate between get and post methods. (5)

c. What are applets? Explain how to use applets inside HTML pages. (6)

Q.3 a. Describe the different ways of that styles can be added to a page. (8)

b. What is a dynamic HTML? Explain how to include JavaScript to an HTML page. (8)

Q.4 a. What is the use of functions in JavaScript? Explain any six functions available in JavaScript for string manipulation. (8)

b. Explain the working of break and switch statements in JavaScripts with examples. (4)

c. With an example show how to swap two words using regular expressions. (4)

Q.5 a. Write JavaScript to handle mouse rollover event on a button in a page. (8)

b. Write a function to demonstrate moving of images on the screen. (8)

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- Q.6** a. Explain the scalar, arrays and hash data types of Perl.
b. Differentiate the working of for and while loops in Perl with the help of an example. (8)
- Q.7** a. What is the significance of cookie? Briefly describe the parts of a cookie. (8)
b. List six benefits that arise from using relational database in web applications. (8)
- Q.8** a. Give reasons why PHP sessions are better than cookies for tracking users? (6)
b. Create an HTML form to enter a list of your friend names, include both fore names and surnames. Pass the data to a PHP script. Display the names in the order in which they are entered and in descending alphabetical order. (10)
- Q.9** a. Differentiate between general mark up schemes such as XML and proprietary system such as Rich Text Format. (6)
b. Create an XML document which holds appointments that include day, date, time of events and name. (10)