Code : 303302

BCA 3rd Semester Exam., 2018

INTERNET AND WEB DESIGNING

Time : 3 hours   Full Marks : 60

Instructions :

(i) *The marks are indicated in the right-hand margin.*

(ii) *There are **SEVEN** questions in this paper.*

(iii) *Attempt **FIVE** questions in all.*

(iv) *Question Nos. **1** and **2** are compulsory.*

1. Choose the correct answer of the following (any *six*) :   2×6=12

   (a) The main function of a browser is to

      (i) comile HTML

      (ii) interpret HTML

      (iii) decompile HTML

      (iv) interpret CGI programs

   (b) In <IMG SRC="C:PICTURE/BB1.gif" ALIGN=middle>, ALIGN

     is

      (i) a tag   (ii) the head

      (iii) the body   (iv) an attribute

   (c) Domain names are converted to

      (i) a binary string

      (ii) an alphanumeric string

      (iii) IP addresses

      (iv) a hexadecimal string

   (d) On Internet, which of the following versions of the Internet Protocol is the most widely used?

      (i) IPv1   (ii) IPv6

      (iii) IPv2   (iv) IPv4

   (e) Desirable properties of a Web site are which of the following?

     1. A meaningful address

     2. Help and search facilities

     3. Links to related sites

     4. Features to allow users to give feedback

     5. Hosting on a mainframe

   Select the answer using the codes given below :

      (i) 1, 2, 3

      (ii) 1, 2, 3, 4

      (iii) 1, 2, 3, 5

      (iv) All of the above

(f) Which is the default scripting language in HTML?

   (i) JavaScript

   (ii) Perl

   (iii) EcmaScript

   (iv) VBScript

(g) The HTML tags that create a table header are

   (i) <head></head>

   (ii)

   (iii) <th></th>

   (iv) <td></td>

(h) Which of the following is a server side technology? https://www.akubihar.com

   (i) HTML

   (ii) JSP

   (iii) JavaScript

   (iv) CSS

(i) Which protocol is used by Web browser for communication with Web server?

   (i) HTTP

   (ii) FTP

   (iii) SMTP

   (iv) UDP

(j) TCP is a commonly used protocol at

   (i) application layer

   (ii) network layer

   (iii) transport layer

   (iv) physical layer

2. Answer any *three* of the following questions:

4×

(a) What are the advantages of JavaScript?

(b) Explain page directive and include directive in JSP with example.

(c) What is the difference between XML and HTML?

(d) Write a JavaScript program to display Fibonacci series.

(e) Explain any four text formatting tags in HTML.

3. Explain in detail the layers of TCP/IP protocol.

4. (a) Explain the structure of XML document with example.

   (b) Explain all tags and attributes used for managing tables in HTML with example.

    9

5. What is HTML form? Explain the elements of HTML form with example.   12

6. Explain any four JSP actions with syntax.   12

7. Write HTML and JSP codes for sending registration details (first name, last name, username, password) from HTML page and displaying them on a JSP page.   12

★ ★ ★