MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : BCAC501   Internet Technology

Time Allotted 3 Hours

Full Marks :70

The Figures in the margin indicate full marks
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

[1 x 10 = 10]

1 Answer any ten of the following :

   (i)   Name 2 types of firewalls.

   (ii)   What is RSVP protocol used for?

   (iii)   What is FTP?

   (iv)   What is the full form of XML?

   (v)   How to do single line comment in PHP?

   (vi)   What is the full form of VPN?

   (vii)   How to comment in XML?

   (viii)   What are the different loops in PHP?

   (ix)   What is the difference between gateway and firewall?

   (x)   Why is RTP used?

   (xi)   The HTTP port number is _____

   (xii)   What is a session in PHP?

Group-B (Short Answer Type Question)
Answer any three of the following

[5 x 3 = 15]

2. What are the advantages of IPv6 over IPv4? [5]

3. How you define list in HTML? What is src and alt attribute in HTML? [5]

4. What is IP addressing? What are the classes of IP addressing? What is the difference between static and dynamic IPs? [5]

5. What is a marquee? How do you create text on a webpage that will allow you to send an email when clicked? [5]

6. What if there is no text between the tags or if a text was omitted by mistake? Will it affect the display of the HTML file? Give an example. Does a hyperlink apply to text only? [5]

Group-C (Long Answer Type Question)
Answer any three of the following

[15 x 3 = 45]

7. (a) What are the functions of Data Link layer in OSI model? [8]

   (b) What is the difference between HTTP and HTTPS? [3]

   (c) What is the role of FTP? [4]

8. (a) What is the main difference between PHP 4 and PHP 5? [2]

   (b) Is multiple inheritance supported in PHP? [4]

   (c) What are the functions to be used to get the image's properties (size, width, and height)? [6]

   (d) What is the main difference between require() and require_once()? [3]

9. (a) What is the difference between a block-level element and an inline element? Explain with examples [8]

   (b) What is the purpose of <tr>, <th> and <td> in HTML? [5]

   (c) How do you create hyperlink in HTML? [2]

10. (a) Differentiate between static and dynamic websites. [6]

   (b) What is PHP most used for? [3]

   (c) What are the types of variables present in PHP? [6]

11 (a) What is a domain name? [3]

(b) What is a URL? [3]

(c) Explain the concept of IPTV. [5]

(d) What is metadata and how does it work? [4]

*** END OF PAPER ***