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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. Answer any ten of the following :

[1 x 10 = 10]

- (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 ***