

Roll No. ...6111630000.....

Total No. of Questions : 10]
(1048)

[Total No. of Printed Pages : 4

**BCA (CBCS) RUSA IVth Semester
Examination**

4035

**INTERNET TECHNOLOGY AND WEB PAGE
DESIGN**

Paper : BCA-0404

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt all questions.

Part-A

1. Attempt *ten* objective type questions of 1 mark each.

- (i) During an FTP session the data connection is opened
- (a) Exactly once
 - (b) Exactly twice
 - (c) As many times as necessary
 - (d) None of the above

C-667

(1)

Turn Over

- (ii) Which of the following IP address class is multicast :
- (a) Class A (b) Class B
(c) Class C (d) Class D
- (iii) SLIP as compared to PPP.
- (a) is less complex
(b) is more complex
(c) has same performance
(d) none of these
- (iv) When a computer wants to communicate with another computer on the internet, it uses the IP address of the destination computer.
(True/False)
- (v) IPv4 address has a size of bits.
- (a) 128 (b) 64 ✓
(c) 32 (d) None of these
- (vi) What are the two variations of dial up remote access ?
- (a) Cable and ISDN (b) ISDN and ISP
(c) ISDN and PSTN ✓ (d) ISP and PSTN
- (vii) Which tag allows you to add a row in a table ?
- (a) <td> and </td> (b) <cr> and </cr>
(c) <th> and </th> (d) <tr> and </tr> ✓

- (viii) What should be the first tag in any HTML document ?
- (a) <head> (b) <title>
(c) <html> ✓ (d) <document>
- (ix) What does the .com domain represents ?
- (a) Education domain
(b) Commercial domain ✓
(c) Network
(d) None of the above
- (x) Which of the following is not a style tag ?
- (a)
(b) <div> ✓
(c) <i>
(d) All of above are style tags 10×1=10

2. Short answer type questions of 4 marks each.

- (i) What do you mean by bandwidth ?
(ii) Explain the use of newsgroup.
(iii) Define URL.
(iv) How can you link an external CSS file with your html page ?
(v) Difference between checkbox and radio button.

5×4=20

Part-B (Unit-I)

10 each

3. Explain various hardware and software requirements to setup a computer network.

Or

4. Discuss in detail the architecture of www.

Part-C (Unit-II)

10 each

5. Explain the role of DNS in Internet. Write down the steps for domain name registration.

Or

6. What are SLIP and PPP ? Differentiate between them in detail.

Part-D (Unit-III)

10 each

7. Explain various tags and their attributes related to the creation of a Table in a Web Page.

Or

8. Explain Frames in details. Write a code to open the link in first frame in another frame.

Part-E (Unit-IV)

10 each

9. Define CSS and its various types.

Or

10. What is meant by XML ? Explain linking in XML in detail.

Roll No.

Total No. of Questions : 10]
(1049)

[Total No. of Printed Pages : 4

**B.C.A. (CBCS) RUSA IVth Semester
Examination**

4393

**INTERNET TECHNOLOGY AND WEB PAGE
DESIGN**

Paper : BCA-0404

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt all questions.

Part-A

1. Attempt *ten* objective type questions of 1 mark each.

(i) An internet is a :

(a) Collection of WANs

(b) Collection of LANs

(c) Collection of identical LANs and WANs

(d) Network of networks

CH-719

(1)

Turn Over

- (ii) Correct HTML tag for the largest heading is :
 (a) <head> (b) <h6>
 (c) <heading> (d) <h1>
- (iii) XML is a software and hardware dependent tool for carrying information.
 (a) True
 (b) False
- (iv) Which of the following is used to create Web Page ?
 (a) C (b) HTML
 (c) JVM (d) DTD
- (v) HTML is considered as language.
 (a) Programming language
 (b) Markup language
 (c) OOP language
 (d) Higher level language
- (vi) When we write , what "img.png" inside double quote implies ?
 (a) Element (b) Attribute
 (c) Value (d) Operator
- (vii) Which CSS property is used to control the text size of an element ?
 (a) Font-style (b) Text-size
 (c) Font-size (d) Text-style

- (viii) element is known as empty element.
 (a)
 (b) <hr>
 (c) <head> (d) <p>
- (ix) Protocols are, set of rules to govern :
 (a) Communication
 (b) Metropolitan communication
 (c) Standards
 (d) None of these
- (x) SMTP stands for :
 (a) Short Mail Transmission Protocol
 (b) Small Mail Transmission Protocol
 (c) Server Mail Transfer Protocol
 (d) Simple Mail Transfer Protocol 10x1=10

2. Short answer type questions of 4 marks each.

- (i) Describe basic components of Computer Networks.
- (ii) What is web typography ? List out any two principles of web Typography.
- (iii) How to add graphics in HTML ?
- (iv) Design a program to demonstrate the concept of audio and video tags in html.
- (v) Describe any four properties of CSS1. 5x4=20

Part-B (Unit-I)

10 each

3. What is Extranet ? Describe the evolution of Internet.

Or

4. List out any *five* features available in standard e-Mail provider.

Part-C (Unit-II)

10 each

5. Explain the routing with TCP/IP.

Or

6. Explain PPP. Describe the dedicated leased line with example.

Part-D (Unit-III)

10 each

7. How to make a frameset with three documents, and how to mix them in rows and columns.

Or

8. Explain image maps with appropriate example.

Part-E (Unit-IV)

10 each

9. Describe the relationship between XML and SGML.

Or

10. How to use CSSI in HTML. Explain with example.

<FRAMESET rows="50" 1150>

Roll No.

Total No. of Questions : 10]
(2042)

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**BCA (CBCS) RUSA IVth Semester
Examination**

3751

**INTERNET TECHNOLOGY AND
WEB PAGE DESIGN**

Paper : BCA-0404

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt all questions.

Part-A

1. Attempt *ten* objective type questions of 1 mark each.

(i) The Interconnection of networks all across the world is known as :

- (a) Communication
- (b) Internet
- (c) Web Page
- (d) Ethernet

CH-718

(1)

Turn Over

(ii) In 1969, ARPANET was developed by

(iii) Each Computer on Network is recognised by :

- (a) HTTP
- (b) HTTPS
- (c) IP address
- (d) WWW

(iv) SMTP stands for

(v) HTML is a programming language.

(True/False)

(vi) The body tag usually used after :

- (a) Title Tag
- (b) HEAD Tag
- (c) EM Tag
- (d) FORM Tag

(vii) IPv4 address has a size of bits.

- (a) 128
- (b) 64
- (c) 32
- (d) None of these

(viii) CSS stands for

(ix) XML stands for

(x) Which tag allows to add a row in a table ?

- (a) <td> and </td>
- (b) <cr> and </cr>
- (c) <th> and </th>
- (d) <tr> and </tr>

1×10=10

2. Short answer type questions of 4 marks each.

- (i) Discuss the various hardware and software requirements to establish an internet connection.
- (ii) Difference between checkbox and radio button
- (iii) What do you mean by Web Typography ?
- (iv) Explain the use of newsgroup.
- (v) Discuss the use of CSS in HTML.

4×5=20

Part-B (Unit-I)

10 each

3. What is Internet ? Discuss evolution of Internet. Also discuss the various features of Internet.

4. Explain the various hardware and software requirements to setup a Computer Network.

CH-718

(2)

CH-718

(3)

Turn Over

Part-C (Unit-II)

10 each

5. What do you mean by Protocol ? Discuss the various protocols used in Internet.
6. Explain the role of DNS in Internet. Write down the steps for domain name registration.

Part-D (Unit-III)

10 each

7. Explain Frames in detail. Write a code to open the link in first frame in another frame.
8. What is HTML ? How is it different from programming languages ? Explain 10 tag with their purposes.

Part-E (Unit-IV)

10 each

9. Write short notes on the following :
 - (a) SGML
 - (b) XML
10. How to use CSSI in HTML ? Explain with example.