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BSCCSC 356

**Credit Based Sixth Semester B.Sc. Degree Examination, September 2022
(2020-21 and Earlier Batches)**

COMPUTER SCIENCE

Computer Networks and Web Design (Elective Paper – 1)

Time : 3 Hours

Max. Marks : 80

PART – A

Note : Answer **any ten** questions :

(10×2=20)

1. a) What is network protocol ?
- b) What is network topology ?
- c) What is the use of File Transfer Protocol ?
- d) Write any two advantages of HTML5 over HTML4.
- e) Expand HTTP and CSS.
- f) Differentiate between
 and <P> tags.
- g) How to insert an image into a web page ?
- h) What is a web server ?
- i) Write any two differences between ASP and ASP.NET.
- j) Name any four validation web controls.
- k) What is caching ?
- l) What is thread ? How is it created ?

PART – B

Note : Answer **any one full** question from **each** Unit :

UNIT – I

2. a) Explain the advantages and disadvantages of star topology and bus topology. **(6+5+4)**
- b) What is subnet mask ? Explain with a suitable example.
- c) Explain data encapsulation in detail.

P.T.O.



3. a) Write a short note on : **(4+7+4)**
- i) LAN
 - ii) WAN.
- b) Explain the functions of different layers of OSI Model.
- c) Explain any two classes of IP address.

UNIT – II

4. a) What are lists ? Explain the different types. **(5+5+5)**
- b) What are hyperlinks ? What are its two types ? Explain.
- c) Explain the various CSS3 properties.
5. a) Explain the following HTML tags with example : **(6+5+4)**
- i) BODY
 - ii) FONT
 - iii) DIV.
- b) Explain with example, how tables are created in HTML.
- c) Write a note on working offline in HTML5.

UNIT – III

6. a) Write the different characteristics of ASP. NET. **(5+5+5)**
- b) Explain the purpose of the following controls with example.
- i) TextBox
 - ii) DropDownList.
- c) Explain the following validators with example.
- i) RequiredFieldValidator
 - ii) RangeValidator.



7. a) Explain HTML server controls with their purpose. **(5+5+5)**
b) Explain the various ADO.NET objects.
c) Explain the following controls with example.
i) Button
ii) Checkbox.

UNIT – IV

8. a) Explain the benefits of web services. **(5+5+5)**
b) Explain the states of ASP.NET application.
c) Explain the security mechanisms in ASP.NET.
9. a) Discuss the types of deployment projects. **(6+5+4)**
b) Write a note on SOAP.
c) Explain any five methods supported by Thread class.
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