



US – 414

VI Semester B.A./B.Sc. Examination, May 2017
(CBCS) (Fresh) (2016-17 and Onwards)
COMPUTER SCIENCE – VII
Web Programming

Time : 3 Hours

Max. Marks : 70

Instruction : Answer *all* the Sections.

SECTION – A

I. Answer **any ten** questions. **Each** question carries **two** marks. (10×2=20)

- 1) How are comments included in XML ?
- 2) What is cellspacing ?
- 3) Explain the use of <meta> tag in HTML.
- 4) What is an anchor ?
- 5) State the use of character.
- 6) What is frameset tag ?
- 7) State the characteristics of XML.
- 8) Name the various types of CSS selectors.
- 9) State two advantages of dynamic XHTML.
- 10) What is DOM2 event model ?
- 11) List two common web browsers.
- 12) State and explain the components of Javascript.

SECTION – B

II. Answer **all** the questions. **Each** question carries **ten** marks. (5×10=50)

- 13) a) What is MIME ? Explain. 4
- b) What is URL ? Give examples. 2
- c) Write a note on Javascript. 4

OR

- a) Explain <form> tag in HTML. 5
- b) Explain various types of lists with examples. 5

P.T.O.



US - 414

- 14) a) Explain DOM tree traversal and modification.
b) Differentiate between HTML and XHTML.

5

5

OR

- a) Write a note on operators in Javascript.
b) Explain functions in Javascript with syntax and example.
15) a) Explain two looping constructs in Javascript.
b) Explain the use of <div> and tags in CSS.

5

5

6

4

OR

- a) Write a Javascript code to generate sum of n natural numbers (use user-defined function).
b) What is a constructor in Javascript ? Explain with example.
16) a) List the types of errors in scripts.
b) Explain the following events.
i) focus
ii) blur
iii) change
iv) select.

5

5

2

8

OR

- a) Create a form for Employee information. Write Javascript code to find DA, HRA, TAX, Gross pay, Deduction and Net pay.
b) What is a schema ? State the purpose of it.
17) a) Give the syntax of XML document.
b) What is DTD ? Explain.

8

2

5

5

OR

- a) What is conflict resolution ? Explain.
b) State the purpose of selector forms in CSS. Explain any 2 selectors.

4

6

VI Semester B.A./B.Sc. Examination, May 2017
(Semester Scheme) (Fresh)
(CBCS) (2016-17 and Onwards)
COMPUTER SCIENCE – VIII
Computer Networks

Time : 3 Hours

Max. Marks : 70

Instruction : Answer *all* the Sections.

SECTION – A

I. Answer **any ten** questions. Each questions carries **two** marks : **(10×2=20)**

- 1) What is resource sharing ?
- 2) Write a note on UTP cable.
- 3) What is byte stuffing ? Explain.
- 4) What is multicast addressing ?
- 5) Write a note on Thinnet wiring.
- 6) What is a repeater ?
- 7) What is baud rate ?
- 8) Mention any two DSL technologies.
- 9) What is a protocol stack ?
- 10) Differentiate between IPv4 and IPv6.
- 11) What is a dynamic routing ?
- 12) Write a note on Domain Name System.

P.T.O.



SECTION - B

II. Answer the following questions. Each question carries ten marks : (5×10=50)

- 13) a) Write a note on growth of The Internet. 5
b) Explain Geosynchronous satellites. 5

OR

- a) Discuss various transmission modes. 5
b) Explain Wavelength Division Multiplexing. 5
14) a) Write a note on Error Deduction. 5
b) Explain any two network topologies. 5

OR

- a) Write a note on frame headers and frame format. 5
b) Write a note on Network Interface hardware. 5
15) a) Explain how two LAN segments connected by bridges. 5
b) What are the two services used to access ISDN ? Explain. 5

OR

- a) Explain distance vector routing algorithm with example. 5
b) Write a note on network performance characteristics. 5
16) a) Write a note on Internet Architecture. 5
b) Write a note on Address Resolution Protocol. 5

OR

- a) Write a note on User Datagram Protocol. 5
b) Explain various operations that can be performed on E-mail. 5
17) a) Explain TCP/IP model. 5
b) Explain ICMP error messages. 5

OR

- a) Explain different classes of IP Address. 5
b) Explain CSMA/CD Protocol. 5