PART C — (5 × 8 = 40 marks)

Answer ALL the questions, choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Discuss about web browsers.

Or

(b) Explain about TCP/IP protocol suite.

17. (a) Describe about the basic HTML tags with examples.

Or

(b) Design a web page to display your class timetable.

18. (a) Describe about the various control structures on JavaScript.

Or

(b) Describe about JavaScript functions with an example.

19. (a) Discuss XML elements and attributes.

Or

(b) Discuss XML DTP.

20. (a) Explain about CGI.

Or

(b) Describe about servlet life cycle.

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PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

Choose the correct answer:

1. _____ is the protocol used by the www service to establish a communication between a web server and a web browser.
   (a) TCP/IP   (b) UDP
   (c) HTTP   (d) NNTP

2. The software that runs on an internet server and responds to an internet clients request for information is called _____ software.
   (a) web server   (b) client
   (c) host   (d) all of these

3. HTML supports _____ different levels of headings.
   (a) 4   (b) 5
   (c) 3   (d) none of these

4. To apply a CSS rule to more than one element at a time, separate the element names with a(n) _____.
   (a) comma   (b) dot
   (c) slash   (d) none of these

5. In javascript _____ method takes a string as an argument and displays a dialogbox in the browser window when invoked by appropriate javascript.
   (a) prompt( )   (b) alert( )
   (c) confirm( )   (d) all of these

6. In javascript, indices for the characters in a string start at _____.
   (a) 0   (b) 1
   (c) −1   (d) none of these

7. Which of the following are valid XML element names?
   (a) regno   (b) reg.no
   (c) reg_no   (d) all of these

8. XML schema documents have root element _____.
   (a) parent   (b) sibling
   (c) schema   (d) tree

9. _____ is an internet standard that specifies data formats so that programs can interpret data correctly.
   (a) MIMA   (b) MIMB
   (c) MIMP   (d) MIME

10. A component that checks the input in another component before submitting that input to the server is called an _____.
    (a) message   (b) validator
    (c) regular expression   (d) request

PART B — (5 × 5 = 25 marks)

Answer ALL the questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Write about www.
                Or
    (b) Write about web servers.

12. (a) Explain the structure of an HTML program.
                Or
    (b) Design a web page to display your personal information.

13. (a) Explain the advantages of JavaScript.
                Or
    (b) Explain the primitive data types supported by JavaScript.

14. (a) Explain the role of XML.
                Or
    (b) Write about namespace.

15. (a) Write about CGI building blocks.
                Or
    (b) Explain the limitations of cookies.