

2017

Time: 3 hours

Full Marks: 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from **all** the Groups as directed.

Group – A

(Compulsory)

1. Choose the correct options of the following: 1x15=15
- a. Which layer is not present in TCP/IP model?
 - i. Application layer
 - ii. Internet layer
 - iii. Transport layer
 - iv. Presentation layer
 - b. What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?
 - i. Application
 - ii. Host-to-Host
 - iii. Internet
 - iv. Network Access
 - c. Choose the correct HTML tag for the largest heading:
 - i. The H6 tag

- ii. The H1 tag
 - iii. The H4 tag
 - iv. The largest tag
- d. To display a less than sign in an HTML document we must write:
- i. `<<>`
 - ii. `<<`
 - iii. `<" <">`
 - iv. `<# lt>`
- e. Which of the following is not a browser?
- i. Microsoft's Bing
 - ii. Netscape navigator
 - iii. Mozilla Firefox
 - iv. Opera
- f. DHTML stands for:
- i. Direct Hyper Text Markup Language
 - ii. Dual Hyper Text Markup Language
 - iii. Dynamic Hyper Text Markup Language
 - iv. Domain Hyper Text Markup Language
- g. In CSS what does h1 can be called as:
- i. Selector
 - ii. Attribute
 - iii. Value
 - iv. Tag
- h. Which of the following is used in Perl?
- i. else if
 - ii. elseif
 - iii. elsif

- iv. elif
- i. A header in CGI script can specify:
 - i. Format of the document
 - ii. New location of the document
 - iii. Both (i) and (ii)
 - iv. Start of the document
- j. The tags in XML are:
 - i. Case insensitive
 - ii. Case sensitive
 - iii. Browser dependent
 - iv. None of the above
- k. The XML DOM object is:
 - i. Entity
 - ii. Entity reference
 - iii. Comment reference
 - iv. Comment data
- l. Output of XML document can be viewed as:
 - i. Word Processor
 - ii. Web browser
 - iii. Notepad
 - iv. None of the above
- m. What does DTD stand for?
 - i. Direct Type Definition
 - ii. Document Type Definition
 - iii. Do The Dance
 - iv. Dynamic Type Definition
- n. How do you write "Hello World" in ASP?
 - i. Document Writer("Hello World")

- ii. Response Writer("Hello World")
 - iii. "Hello World"
 - iv. None of the above
- o. Which ASP object is often used to retrieve user-information from forms?
- i. The Session Object
 - ii. The Response Object
 - iii. The Application Object
 - iv. The Request Object

Group – B

Answer any **five** questions of the following: 4x5=20

2. Write short note on Client Server Model.
3. What are the various firewall techniques? Explain.
4. Explain any three tags of HTML for working with fonts and paragraphs with the help of proper code segments.
5. Write short note on Error Handling in VB Script.
6. Explain application object in ASP with example.
7. Explain the rules for well-formed XML documents.
8. Explain the components of Document Object Model (DOM).
9. Discuss about the limitations and advantages of DTD.

Group – C

Answer any **five** questions of the following: 7x5=35

10. Discuss the TCP/IP Protocol suite with the help of a suitable diagram.
11. Write HTML programs to illustrate the use of hyperlink along with their various options.

12. What is CSS? Describe the types of create CSS.
13. Explain CGI architecture and various features of Perl.
14. Discuss error handling in ASP with example.
15. What is DTD? Explain how a DTD can be used in an existing XML document.
16. Write the syntax of XML document and explain how basic xml document is created with an example.

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