BCA-17

June - Examination 2017

BCA Pt. III Examination

Web Technology

Paper - BCA-17

Time : 3 Hours]   **[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A $10 \times 2 = 20$
(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1) (i) What is XML?

   (ii) What is DTD?

   (iii) What is a Web Server?

   (iv) What are the different HTTP methods?

   (v) Can we use graphics in XML?

   (vi) What is XML Element?

   (vii) What is an XML Schema?

(viii) Explain XQuery.

(ix) How can you apply a DTD to an XML document?

(x)   What do you understand about XPath?

Section - B $4 \times 10 = 40$
(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

2)   What are the benefits of XML?

3)   Describe the document object model (DOM) in detail.

4)   Explain inline areas in XSL-FO.

5)   What is structure of XML document?

6)   Write steps to validate XML document against a scheme.

7)   Explain XML and its advantage in internet technology.

8)   What are the basic rules to write XML document?

9)   What is the difference between XML DTD and XML schema or XSD?

Section - C $2 \times 20 = 40$
(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

10) How we can achieve integrity, authentication and privacy while creating secure environment of XML.

11) Write short note on any four:
   (i)   Canonicalization
   (ii) SAX
   (iii) Publishing of XML
   (iv) XLink and XPointer
   (v)   Parsing of XML in java

12) What is the XML HttpRequest Object? How to create an XML HttpRequest object?

13) What is namespace? Explain how the ways to declare default and explicit declaration of namespaces in XSD document.

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