BCA-17

December - Examination 2016

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 with word limit of 30 words each.

1) (i)   Explain the term XML.

    (ii)   What is Entity in XML?

    (iii)   How HTML is differ than XML?

    (iv)   Define X-Pointer.

    (v)   What is the use of CSS?

    (vi)   What is X Path?

    (vii)   Extend XSL-FO and DTD.

    (viii)   Explain POST & Get methods.

    (ix)   What is DOM?

    (x)   What is X Query?

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) Write syntax to define a complex data type. Also explain it with example.

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

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

5) How to define a template in XSLT? Explain with example.

6) List out various Node-set functions provided by X-Path.

7) What is the requirement of CSS with XML

8) Explain Inline areas in XSL-FO.

9) Define X-pointer. How can we use X-pointer? Explain with example.

Section - C $\quad\quad$ 2 × 20 = 40

(Long Answer Questions)

Note: Answer **any two** questions within 500 words each.

10) (i) Differentiate between HTML and XML.

(ii) Write rules for creating well formed XML documents.

11) Explain following elements of XSD with example:

(i) sequence

(ii) group

(iii) choice

(iv) all

(v) attribute group

12) Suppose there is data for a book shop in XML file books xml. Write steps to show this data in tabular format. Explain with clear example.

13) Write short note on any four:

(i) XML Digital Signature

(ii) SAX

(iii) X Forms

(iv) X link

(v) Canonicalization

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