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BCA–17

June – Examination 2020

BCA (Part III) Examination

Web Technology

Paper : BCA-17

Time : 3 Hours]   *[Maximum Marks : 70*

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

Section–A   7×2=14

(Very Short Answer Type Questions)

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

1. (i)   List out the various logical structure of an XML document.

   (ii) What is the role of XML ?

   (iii) Define qualified name space.

(iv) What are the different template patterns ?

(v) How many elements are used in a XML documents ? Name them also.

(vi) What is DOM ? What are the different levels of DOM ?

(vii) Give the guidelines for signing XML documents.

Section–B   4×7=28

(Short Answer Type Questions)

Note :– Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 7 marks.

2. What is a well formed XML document ? Define the rules to create a well formed XML.

3. Define the various tags and attributes of XML.

4. What is namespace ? Define the differences and similarities between default and multiple namespace.

5. Explain the axis in XML. Define the various axes with their syntax.

6. Explain quantified and automatic sentence element with suitable example.

7. What do you mean by data types of XSD ? Define the various types with syntax.

8. How can we implement the Xquery in our application ? Define with the help of structure.

9. How can we access data from elements ? Give an example.

Section–C   2×14=28

(Long Answer Type Questions)

Note :– Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 14 marks.

10. What is SOAP and why is it important ? Explain the SOAP with attachments.

11. What is the difference between Xpath and Xquery ? Define functions of Xpath.

12. What are the different formatting objects in XSL-FO ? How are they categorized ?

13. Explain the XML transformation techniques in detail.