

BCA-17

December - 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 × 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) Differentiate between simple element and complex element in XML.
- (ii) What is the meaning of version in XML?
- (iii) What is a well formed XML document?
- (iv) Explain about a valid XML document?
- (v) What is XPath in XML?

- (vi) What is XML data binding? Why is it used?
- (vii) Explain the use of CSS?
- (viii) What is XSL?
- (ix) Describe XML DOM?
- (x) What are the special characters used in XML?

Section - B**4 × 10 = 40**

(Short Answer Questions)

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

- 2) Differentiate between internal and external script with the help of example.
- 3) Why name spaces are important?
- 4) Explain extensible style sheet language.
- 5) What is DTD? How is it useful for validating XML? Explain with suitable example.
- 6) Write syntax to define a complex data type. Also explain it with example.
- 7) What is the difference between SAX parser and DOM parser?
- 8) List out various Node-set functions provided by X-path.
- 9) What are the parsing techniques of XML? Discuss about them.

Section - C**2 × 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) Why XSLT is important for XML and XLST used for? Explain the relation between XSLT, XPath and XQuery.
- 11) Suppose there is data for a library in XML file lib.xml. Write steps to show this data in tabular format. Explain with clear example.
- 12) Write short note on any four.
 - (i) XML Digital signature.
 - (ii) XML Components.
 - (iii) XML DTD.
 - (iv) XSL-FO.
 - (v) X Forms.
- 13) What are various methods to check validity of XML document?
