

# BCA-17

December – Examination 2022  
BCA (Part III) Examination  
WEB TECHNOLOGY  
Paper : BCA-17

*Time : 3 Hours ]*

*[ Maximum Marks : 70*

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*Note* :- The question paper is divided into three Sections A, B and C. Write answers as per the 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) Define XML.
- (ii) What is a wellformed XML document ?

- (iii) What is default namespace in XML ?
- (iv) What is XQuery ?
- (v) Define style sheet language.
- (vi) Write syntax to use CSS.
- (vii) Define XSLT.

**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. Define the document structure of XML.
3. What are empty and non-empty elements in XML ?
4. How namespace is created in XML ?
5. Discuss the usages of XQuery.
6. Describe CSS Class with suitable example.
7. Discuss the various formatting objects used in XSL-FO.
8. What is template in XSLT ?
9. What is the difference between XLink and XPointer ?

**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. Discuss the advantages and disadvantages of XML.
11. Describe various Primitives Data Types in XML Schema.
12. Discuss the security aspects available in XML.
13. Write short notes on any *two* of the following :
  - (i) XSL
  - (ii) XForm
  - (iii) XML database
  - (iv) Canonicalization