

BCA-17

December - Examination 2025

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 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) Why XML is used?
- (ii) Define the rules to create a well-formed XML.
- (iii) What are empty and non-empty elements?
- (iv) What is DTD (Document Type Definition)?
- (v) Why XQuery is important for database access?
- (vi) What is XLink?
- (vii) Define StyleSheet.

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. How to insert data in XForm? Explain with an example.
3. Explain the concept of XML digital signature.
4. Explain advantages and disadvantages of XML.
5. What is the use of namespace? How is it declared?
6. Define XML schema definition. Explain element and attribute declaration.
7. What is CSS? Explain its syntax.

8. Define XSL-FO. Describe the capabilities of XSL-FO.
9. What is a parser? Explain the XML Parser.

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. How do you create XML documents? Explain the XML structure in detail.
11. What do you understand by data types of XSD? Explain various types with syntax.
12. Define Nodes. Explain the various node set functions.
13. How can we create a class? Explain the process of integration it with webpage.
