

BCA-17
June - Examination 2018
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) Whether root element is required of XML? If so, how many root elements are required?
- (ii) Is there a way to describe XML data?
- (iii) What is Data Island?
- (iv) What is XML Encoding?
- (v) Can we use graphics in XML.
- (vi) What is XML signature?
- (vii) Is XML case sensitive?

- (viii) What is XPath?
- (ix) What is DiffGram in XML?
- (x) What is XML Element?

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) What is XML data binding? Why is it used?
- 3) Describe the document object model (DOM) in detail.
- 4) What is Java Script? Explain all events in Java Script?
- 5) What is XSL? What are the various parts of XSL?
- 6) Write steps to validate XML document against a scheme.
- 7) Explain XML and its advantage in internet technology.
- 8) What is XLink and XPointer? How they are used in XML? Explain with an example.
- 9) What are various methods to check validity of XML document?

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) What do you mean by extensible style sheet language? Explain with an example.
 - 11) Write short note on any four:
 - (i) XML HttpRequest Object
 - (ii) XML parser
 - (iii) Publishing of XML
 - (iv) XML Namespaces
 - (v) XML Validator
 - 12) Explain XML DTD and XML schema. Give difference between XML DTD and XML schema or XSD?
 - 13) What is the difference between XML and HTML? Give the benefits and disadvantages of XML.
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