# Introducing the XML
## Chapter 03: XML Structure and Syntax

Q1. Every XML document includes both a _____ and a _____.
Find the correct options for the blanks.
A. logical structure
B. physical Structure
C. datatype
D. schema
Answer: A, B
[Ref. Page: 26]

Q2. Which one of the following tells what elements to include in a XML document and in what order?
A. Logical structure of the XML document
B. Physical structure of the XML document
Answer: A
[Ref. Page: 26]

Q3. The _____ structure of every XML document contains the actual data used in the document.
Which is appropriate for the blank?
A. logical
B. physical
Answer: B
[Ref. Page: 26]

Q4. Which of the following is or are true about the logical structure of an XML document?
A. It is like a template that tells what elements to include in what order
B. It indicates what a document contains
C. It indicates how a document is built
D. It is composed of all the content used in a document
Answer: A, C
[Ref. Page: 26]

Q5. Which of the following is or are true about the physical structure of an XML document?
A. It is like a template that tells what elements to include in what order
B. It indicates what a document contains
C. It indicates how a document is built
D. It is composed of all the content used in a document
Answer: B, D
[Ref. Page: 26]

Q6. The logical structure of an XML document indicates how a document is built, the physical structure _____?
Which phrase is the correct for the blank space?
A. why a document is built
B. what a document contains
C. what a document cannot contain

D. when a document can be built

Answer: B
[Ref. Page: 26]

Q7. Which of the following statement is true?
Do you agree?

A. Both xml declaration and document type declaration are optional
B. xml declaration is required and document type declaration is optional
C. xml declaration is optional and document type declaration is required
D. Both xml declaration and document type declaration are required

Answer: A
[Ref. Page: 27
Prolog consists of xml declaration and document type declaration. Both are optional. You can omit both or either one of the two]

Q8. Which of the following component or components the prologs of an XML document can contain?

A. The XML declaration
B. The document type declaration
C. The processing instruction
D. The root element

Answer: A, B
[Ref. Page: 27]

Q9. The _____ identifies the version of the XML specification to which the document conforms.
Choose the correct one for the blank.

A. XML declaration
B. document type declaration
C. processing instruction
D. root element

Answer: A
[Ref. Page: 27]

Q10. The _____ consists of markup code that indicates the grammar rules or DTD (Document Type Definition) for the particular class of document
Choose the correct one for the blank.

A. XML declaration
B. document type declaration
C. processing instruction
D. root element

Answer: B
[Ref. Page: 27]

Q11. Which is the purpose of the stand-alone attribute in the XML declaration in an XML document?

A. It indicates the version of XML specification to which the document conforms
B. It identifies the character encoding scheme the document uses
C. It identifies whether any markup exist that is external to the document
D. It identifies document element in the XML document

Answer: C

[Ref. Page: 27]

Q12. What are the possible values of stand-alone attribute of the XML declaration in an XML file?

A. yes
B. no
C. true
D. false

Answer: A, B
[Ref. Page: 27]

Q13. Which of the following correctly identifies the correct position of the Document Type Declaration in an XML file?

A. Preceding the XML Declaration
B. Following the XML Declaration
C. Preceding the Document Element
D. Following the Document Element

Answer: B, C
[Ref. Page: 27]

Q14. Which of the following is not true about the Document Element in an XML document?

A. It is the root element
B. An XML document contains more than one Document Element
C. It contains all the data in the XML document
D. It can comprise any number of sub-element and external entities

Answer: B
[Ref. Page: 27
An XML document contains more only one Document Element (root)]

Q15. If you create an entity “Author”, then which one correctly references it?

A. &Author&
B. #Author#
C. &Author#
D. &Author;

Answer: D
[Ref. Page: 29]

Q16. Which of the following is or are NOT properly nested?

A. <description>I got IDB-BiSEW scholarship in 2007</description>
B. <description>I got IDB-BiSEW scholarship in 2007</description>
C. <description>I got IDB-BiSEW scholarship in 2007</description>
D. <description>I got IDB-BiSEW scholarship in 2007</description>

Answer: A, C
[Ref. Page: 28]

Q17. Consider the following entity declaration
<!ENTITY PC “Project Consultant”>
Now which one correctly references the above entity correctly?

A. <description>ESAD-CS is coordinated by #PC#</description>
B. <description>ESAD-CS is coordinated by &PC&</description>

C. <description>ESAD-CS is coordinated by &PC;</description>
D. <description>ESAD-CS is coordinated by #PC;</description>

Answer: C
[Ref. Page: 29]

Q18. Which type of entities requires notation declaration?

A. Parsed entities
B. Unparsed Entities
C. Parameter entities
D. Predefined entities

Answer: B
[Ref. Page: 29]

Q19. For which one there is no predefined entity declared?

A. >
B. <
C. &
D. ©

Answer: D
[Ref. Page: 30]

Q20. Which character is placed before the entity name to refer a parsed entity?

A. &
B. #
C. %
D. $

Answer: A
[Ref. Page: 30]

Q21. Which character is placed before the entity name to refer a parameter entity?

A. &
B. #
C. %
D. $

Answer: C
[Ref. Page: 29]

Q22. Which of the following is or are valid empty elements in XML?

A. <item>
B. <item />
C. <item></item>
D. <item empty=”true”>

Answer: B, C
[Ref. Page: 32]

Q23. What quality or qualities a valid XML document must meet?

A. It is well-formed
B. It contains only character entities
C. It is well-formed and it strictly obeys the rules for defined by DTD

D. It contains all tags defined in W3C's recommendation

Answer: C
[Ref. Page: 33]

Q24. Which of the following is the quality of a well-formed XML?

A. It matches the definition a document
B. It strictly obeys the rules for defined by DTD
C. It observes the constraints for a well-formed as defined by the XML specification
D. It contains all tags defined in W3C's recommendation

Answer: C
[Ref. Page: 33]

Q25. Consider the following two statements

I. A well-formed xml document is always valid
II. A valid xml document is always well-formed

Find out the true options

A. both statement I and statement II are true
B. statement I is true and statement II is false
C. statement I is false and statement II is true
D. both statement I and statement II are true

Answer: C
[Ref. Page: 33]