

CLASS X

SAMPLE PAPER

INFORMATION TECHNOLOGY

TIME: 3 Hrs.

SUMMATIVE- II

M.M 80

Note:-All questions are related with the IInd summative

1. Name the two types of DTD supported by XML? Internal & External
2. What is XML parser? It is a software that reads an XML document, identifies all the XML tags and passes the data to the application.
3. Name two types of parser? Non validating and validating
4. What do you understand by XML element? Everything from the elements start tag to the element's end tag including both the start and the end tag.
5. Give the requirements of a well informed XML document?
6. The root and child elements must be nested in a proper way
7. Each start tag must have the corresponding end tag.
8. All Empty tag must be enclosed properly.
9. What are processing instructions? The first line is called processing instructions.
10. What is CR and LF? Carriage return and line feed
11. What are white spaces in XML? Html truncates multiple white space characters to a single white space.
12. What is Document or Root Element? The topmost element in a document .
13. Why is XML called a meta –markup language? Because it is used to create other languages.
14. Why was XML developed ? To overcome the problems of HTML.
15. Difference between HTML and XML?

16. What is the difference between a well formed and a valid XML document?
17. What are the naming rules of XML document?
18. What are the limitations of placing a comment in an XML document?
19. What is an attribute? Part of an element that provides additional information about it.
20. What is the difference between element and tag?
21. The first virus was defined by? Fred Cohen 1983
22. What are macro virus? A macro is a set of commands written by the user to be executed later.
23. Stealth Virus? This type of virus uses various techniques to avoid detection by the user or anti virus.
24. Difference between Worm and Trojans? Worms are capable of reproducing and spreading itself to another computer without human action. Trojans do not replicate or reproduce. They appear useful at first and keep infecting the system and files.
25. Difference between Spyware and Malware? Spyware secretly gathers information about the user and relays to advertisers and Malware is a program designed to infiltrate a computer without the user's consent. It includes virus, worms etc.
26. What are spams?
27. What are data backups? To make copies of data removable, long term storage device.
28. Define mirror backup method? Only the selected files and folders are copied without any compression.
29. What is SSL? Secure Socket Layer is a protocol used to secure data transmission across the network.
30. Difference between Encryption and Decryption? Encryption is the process of modifying data so that unauthorized users cannot read it and decryption is the process of converting encrypted data into human readable form.

31. Difference between Private Key and Public Key? User's only know this key.
Public is distributed to any user who requests it.
32. What is Digital Certificate? A kind of digital code .

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