

12. (a) Discuss on
- (i) web servers (8)
 - (ii) XHTML. (8)
- Or
- (b) Elaborate with example the usage of CSS in HTML. (16)
13. (a) Using HTML and JSP, design a scientific calculator. (16)
- Or
- (b) Explain
- (i) DOM model (8)
 - (ii) Database connectivity. (8)
14. (a) Write a PHP program to do string manipulations. (16)
- Or
- (b) Explain in detail about
- (i) XML schema. (8)
 - (ii) XML parsers and validation. (8)
15. (a) Discuss Ajax client server architecture in detail. (16)
- Or
- (b) Write short notes on :
- (i) SOAP (8)
 - (ii) WSDL. (8)