

**National College of Computer Studies**  
(NCCS-College of IT & Management)  
**Mid-Terminal Examination (2018)**

**Set A**

**BSc. CSIT/ Sixth Semester/ CSC 353:Web Technologies**

Full Marks: 60  
Pass Marks: 30  
Time: 3 Hours

*Candidates are required to answer the questions in their own words as far as practicable.*

**Group A**

**Attempt all questions: -**

**[10×2=20]**

1. Create a small XML file designed to contain information about employee records. Consider all necessary assumptions for this.
2. Explain the 2-Tier, 3-Tier and n-Tier technology with its architecture.
3. Why javascript and css are essential in html? Explain their usage with proper example.

**Group B**

**Attempt ant eight questions.**

**[5×8=40]**

4. Write an HTML code to display the following:
  - a. CASE & USER:  $a^2+2ab+b^2$
  - b. H<sub>2</sub>SO<sub>4</sub>
5. What is internal CSS? Explain with suitable example.
6. What is HTTP? Discuss.
7. What is web server? Explain client-server architecture with its importance.
8. Explain the SMTP with example.
9. What is javascript? Explain suitable example.
10. Are html and xml same? Justify.
11. Why web technology is needed for you being an IT student?
12. Write short notes on:
  - a. IMAP
  - b. POP

*Candidates are required to answer the questions in their own words as far as practicable.*

**Group A**

**Attempt all questions:-**

**[2×10=20]**

1. What is XML? Discuss the structure of XML, file with example. Write a schema to describe address as an element and city, state, street, and house-no as its attributes.
2. What is HTTP? Discuss its functions in detail.
3. Differentiate between 2-Tier and 3-Tier technologies on the basis of their usage and advantages.

**Group B**

**Attempt ant eight questions.**

**[5×8=40]**

4. How can you draw a table in HTML? Discuss with suitable example.
5. What is FTP? Discuss.
6. How can we include external CSS in our HTML file? Explain with example.
7. Why javascript is important in web? Explain.
8. Write sample HTML file which includes workable javascript (external file).
9. Explain the uses of a web server.
10. What are the importance and application of xml? Discuss.
11. What is POP? Discuss about POP3.
12. Write short notes on:
  - a. SMTP
  - b. HTML Form