

**R16**

Code No: 136EN

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, December - 2019**

**WEB TECHNOLOGIES**

(Common to CSE, IT)

Max. Marks: 75

Time: 3 hours

**Note:** This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A**

(25 Marks)

- |      |   |     |
|------|---|-----|
| 1.a) | How to make use of for loop in PHP?                       | [2] |
| b)   | How to handle PHP sessions and cookies?                   | [3] |
| c)   | What are the goals of XML? Explain.                       | [2] |
| d)   | What are the advantages and disadvantages of XML Schemas? | [3] |
| e)   | What does Servlet config interface do?                    | [2] |
| f)   | What is the purpose of cookies? How to use cookies?       | [3] |
| g)   | What is Session tracking? What are its uses?              | [2] |
| h)   | Write the features of Java Server Pages technology.       | [3] |
| i)   | How does one access cookie in a java script?              | [2] |
| j)   | Explain the advantages of Document Object Model.          | [3] |

**PART - B**

(50 Marks)

2. Write the steps involved in connecting database and executing simple queries in PHP. Explain each step in detail. [10]
- OR**
3. How file handling is done in PHP? Explain the operations that can be performed on text and binary files. [10]
4. Explain about various types of XML parsers. How SAX is an alternative method for parsing XML documents? Give the advantages of SAX. [10]
- OR**
5. What are the XML namespaces and how are they declared? Discuss. [10]
- 6.a) Write short note on Common Gateway Interface (CGI). [5+5]  
b) Explain the advantages Servlets over CGI programs.
- OR**
- 7.a) Explain the life cycle of a java servlet and write a simple servlet that reads three parameters from the form data. [5+5]  
b) Discuss the differences between Generic Servlet and HttpServlet.