

Code No: RT32055

**R13****SET - 1****III B. Tech II Semester Supplementary Examinations, November- 2017****WEB TECHNOLOGIES**

(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answering the question in **Part-A** is compulsory  
3. Answer any **THREE** Questions from **Part-B**

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**PART -A**

- 1 a) How to create frames in a web page? [4M]  
b) What are XML schemas ? [4M]  
c) What technologies are used in AJAX? [4M]  
d) How to define a constant variable in PHP? Give an example. [3M]  
e) Write short notes on data types used in PERL. [3M]  
f) Write a ruby script to perform arithmetic operations by reading two input numbers. [4M]

**PART -B**

- 2 a) Write HTML code to display your class time table. [4M]  
b) Explain different types of cascading style styles with suitable examples. [8M]  
c) Write a JavaScript code to test whether the given number is Armstrong number or not. [4M]
- 3 a) What are the differences between DTDs and XML Schema? [3M]  
b) Write a XML program to illustrate XSLT. [8M]  
c) Explain the importance of XML in web applications. [5M]
- 4 a) What are the differences between traditional web application and AJAX based web application? [8M]  
b) Explain working mechanism of AJAX with suitable example. [8M]
- 5 a) Write a PHP script for uploading a file to the server and display the uploaded files details. [8M]  
b) Write a PHP script to validate the student data (Name, Regd.No, Email) using regular expressions and store in the database. [8M]
- 6 a) Explain HTML tags emulation, arrays, hashes in PERL. [8M]  
b) Which feature of Perl provides code reusability? Give any example of that feature. [8M]
- 7 a) Explain hashes and classes in ruby with suitable examples. [8M]  
b) Describe MVC architecture and Write ruby code for web application. [8M]

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