Code No: RT32055   **R13**   SET - 1

III B. Tech II Semester Regular/Supplementary Examinations, April -2018
WEB TECHNOLOGIES
(Common to Computer Science 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)	Write about different list tags in HTML?	[3M]
	b)	What is meant by document object model?	[4M]
	c)	Give 4 operations defined by WSDL?	[4M]
	d)	What is a PHP Session?	[4M]
	e)	How many types of operators are used in the Perl?	[3M]
	f)	Explain the creation of iterators in Ruby with examples.	[4M]

PART –B

2	a)	Write a java script to find factorial of a given number.	[4M]
	b)	Write CSS code that defines five classes of paragraph with different background, color, margins, padding and border style.	[8M]
	c)	Explain with example frames in HTML.	[4M]
3	a)	Explain the four possible keywords in a DTD declaration with suitable examples.	[3M]
	b)	How does an XSLT processor use an XSLT style sheet with an XML document?	[8M]
	c)	Explain in brief about DOM.	[5M]
4	a)	Employee(id, name, address, designation, salary) Write an Ajax program to accept name and salary of employee and increase employee salary by 10% in the database.	[8M]
	b)	Describe briefly the integration of PHP and AJAX	[8M]
5	a)	What is PHP session, how session is created and destroyed.	[8M]
	b)	Write a PHP script to open, close, read and write into a file.	[8M]
6	a)	Explain USE and REQUIREMENT statements in perl?	[8M]
	b)	Write a perl script to find n prime numbers.	[8M]
7	a)	Write about pattern matching in RUBY.	[8M]
	b)	Explain about arrays creation, manipulation functions that support by RUBY with examples.	[8M]

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Code No: RT32055   **R13**   SET - 2

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2. Answering the question in **Part-A** is compulsory
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*****

PART –A

1	a)	Write a java script to check a given number is prime or not?	[3M]
	b)	What is well-formed XML document?	[4M]
	c)	Write a short note on role of Ajax engine in synchronization of Ajax programs.	[4M]
	d)	Name three conditional statements in PHP.	[3M]
	e)	Which functions in Perl allows you to include a module file or a module and what is the difference between them?	[4M]
	f)	How to create getter and setter methods in Ruby?	[4M]

PART –B

2	a)	Which types of lists can be created in HTML?	[4M]
	b)	Write about different methods for implementing cascading style sheets?	[8M]
	c)	List some advantages of JavaScript.	[4M]
3	a)	Define an XML schema. Explain the creation of XML schema with an example	[8M]
	b)	Briefly explain the purpose of XML processor.	[8M]
4	a)	Write a PHP script to read student.xml file which contains student roll no, name, address, college, and course. Print students details of specific course in tabular format after accepting course as input.	[8M]
	b)	What is the scope of variable? List and explain al. scope of variable and super Global variable in PHP with example.	[8M]
5	a)	How the result set of Mysql be handled in PHP?	[8M]
	b)	Discuss various types of control statements in PHP.	[8M]
6	a)	Explain HTML tags emulation, arrays, and hashes in PERL.	[8M]
	b)	What is query string? How is it transmitted to the server with the GET and POST methods?	[8M]
7	a)	Define class. Explain how to create a class and its objects in Ruby.	[8M]
	b)	Explain Hashes and Methods in Ruby with examples.	[8M]

Code No: RT32055   **R13**   **SET - 3**

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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)	Write a script for creating and validating a login form?	[3M]
	b)	Explain in brief about XML schema	[4M]
	c)	What is AJAX? How should AJAX objects be created?	[4M]
	d)	What are the different types of errors in PHP?	[3M]
	e)	How many types of primary data structures are available in Perl and what do they mean?	[4M]
	f)	Write a ruby program to display the second smallest number in the list, along with its position in the list.	[4M]

PART -B

2	a)	What is external style sheet?	[4M]
	b)	What is web application? Differentiate between client side scripting and server side scripting.	[8M]
	c)	Show how group and alignment of tables, rows and columns is achieved using HTML?	[4M]
3	a)	Give a brief note on DOM parser.	[3M]
	b)	Show how SAX is an alternative method for parsing XML documents. Write its advantages.	[8M]
	c)	Explain in brief about XSLT.	[5M]
4	a)	Discuss the role of WSDL web service in AJAX.	[8M]
	b)	What is MYSQL? What are the different data types in MYSQL? Explain each of them with suitable example.	[8M]
5	a)	How can you incorporate one PHP file within another with example?	[8M]
	b)	What are cookies? How can you create, access and delete a cookie in PHP with the help of an example.	[8M]
6	a)	Write a Perl script to create a form to mail.	[8M]
	b)	Describe with an example, the various types of variable in PERL.	[8M]
7	a)	Explain how to declare and use a constructor in Ruby?	[8M]
	b)	With an example, Explain code blocks and iterators in Ruby	[8M]

Code No: RT32055   **R13**   SET - 4

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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**
*****

PART –A

1	a)	Write the difference between client side scripting and server side scripting?	[3M]
	b)	Write the applications of XML.	[4M]
	c)	Explain advantages and disadvantages of AJAX	[4M]
	d)	Explain features of PHP?	[4M]
	e)	Describe code reusability in Perl	[3M]
	f)	List the data types supported in Ruby language	[4M]

PART -B

2	a)	Explain Built in objects in JavaScript.	[4M]
	b)	Define frame. Create a HTML page that displays multiple frames in a window.	[8M]
	c)	Write a JavaScript code to change a background color using buttons.	[4M]
3	a)	Explain XML, XSL and XPATH with example.	[3M]
	b)	What is the document type definition (DTD)? Describe the approach to declare elements, entities and attributer.	[8M]
	c)	Explain the purpose of XML parser.	[5M]
4	a)	Explain steps involved in creating web services.	[8M]
	b)	Describe the Integration of PHP and AJAX with an example.	[8M]
5	a)	What is PHP .Explain data types and variables in PHP.	[8M]
	b)	What is for each and each in PHP? Write a PHP program for passing by value and passing by reference?	[8M]
6	a)	How can you Send email using perl script.	[8M]
	b)	Write a CGI program that collects the data from the form and writes it to a file (assume the form data).	[8M]
7	a)	Explain the looping structures available in Ruby.	[8M]
	b)	With an example, explain simple input and output functions in ruby.	[8M]

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