

Code No: **R1641053**

R16

Set No. 1

IV B.Tech I Semester Regular Examinations, October/November - 2019

WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A(14 Marks)

1. a) Under what circumstances is a menu used instead of a radio button group? [3]
b) List out the differences between Java and JavaScript. [3]
c) State the goal of XML. [2]
d) List out the two modes of PHP processor. [2]
e) How many types of operators used in Perl? [2]
f) Explain about Ruby script. [2]

PART-B(4x14 = 56 Marks)

2. a) Explain about the following terms with examples (i) Unordered Lists (ii) Ordered Lists. [7]
b) Illustrate the concept of Conflict Resolution. [7]
3. a) Explain the following terms with examples (i) Absolute Positioning (ii) Relative Positioning. [7]
b) Differentiate between Implicit and Explicit type conversion. [7]
4. a) Describe about XML Document Structure. [7]
b) Outline the advantages and disadvantages of AJAX. [7]
5. a) How PHP variables are used? Explain with examples? [7]
b) State the concept of double quoted strings in PHP with suitable examples. [7]
6. a) Explain the characteristics of Perl with examples. [7]
b) Outline the HTML tags emulation, arrays, and hashes used in Perl. [7]
7. a) Discuss in detail about Pattern matching in Ruby. [7]
b) Explain the concept of inheritance in Ruby with an example. [7]



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Set No. 2

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Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A(14 Marks)

1. a) How are scroll bars specified for a text-area control? [3]
- b) List out the JavaScript reserved words used. [3]
- c) How are parameters passed in GET AJAX request? [2]
- d) State the four scalar types of PHP. [2]
- e) Discuss about types of primary data structures in Perl. [2]
- f) How to create getter and setter methods in Ruby? [2]

PART-B(4x14 = 56 Marks)

2. a) State the concept of Forms in HTML with examples. [7]
- b) Discuss about Box Model in CSS. [7]
3. a) State the two approaches of Pattern matching used in JavaScript. [7]
- b) How Object creation and Modification done in JavaScript? [7]
4. a) Illustrate the concept of XML Schemas. [7]
- b) State the Request Phase and the Receiver Phase of AJAX application. [7]
5. a) Write a PHP program to add array elements taken as input. [7]
- b) Describe about Associative array in PHP with suitable example. [7]
6. a) How to call and identify a subroutine in Perl? Explain with example. [7]
- b) Discuss in detail the features of Perl programming. [7]
7. a) Describe about Hashes in Ruby with an example. [7]
- b) Explain about Blocks and Iterators in Ruby. [7]



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Set No. 3

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Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A(14 Marks)

1. a) Why it is better to use **em** than **pt** for font sizes? [3]
- b) Why parseInt is not used more often? [2]
- c) Draw the diagram of traditional and AJAX browser-server interactions. [3]
- d) List out the advantages of using PHP. [2]
- e) Which features of Perl provides code reusability? [2]
- f) How to create an array in Ruby? [2]

PART-B(4x14 = 56 Marks)

2. a) Give a detail note on Standard HTML Document Structure. [7]
- b) Explain the purpose of **** and **<div>** tags with examples. [7]
3. a) Explain about Control statements used in JavaScript with examples. [7]
- b) Discuss about Moving Elements in JavaScript. [7]
4. a) Describe about XSLT Style Sheets with examples. [7]
- b) Differentiate between DOM and SAX approaches. [7]
5. a) Write a PHP script to retrieve the data from oracle database. [7]
- b) With an example explain the casting of data types in PHP. [7]
6. a) Explain USE and REQUIREMENT statements in Perl. [7]
- b) Write a Perl script to find 'N' prime numbers. [7]
7. a) Discuss about Multi dimensional arrays in Ruby with an example. [7]
- b) Write a Ruby script to display grades of student using hashes. [7]



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Set No. 4

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WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A(14 Marks)

1. a) Discuss about the purpose of external style sheets. [3]
- b) What are the five primitive data types in JavaScript? [2]
- c) State the goal of using AJAX in Web Applications. [3]
- d) Outline the reserve words of PHP. [2]
- e) List out the data types used in Perl. [2]
- f) Differentiate between extend and include in Ruby. [2]

PART-B(4x14 = 56 Marks)

2. a) Summarize the concept of Margins and Padding in CSS. [7]
- b) Outline the purpose of rowspan and colspan attributes. [7]
3. a) Explain about the following terms: [7]
 - (i) The Math Object
 - (ii) The Number Object
- b) Illustrate the concept of Screen Output and Keyboard Input. [7]
4. a) Describe about Internal and External DTD's. [7]
- b) Discuss in detail about Namespaces in XML documents. [7]
5. a) Illustrate the concept of predefined and user defined functions in PHP with examples. [7]
- b) How PHP session is created and destroyed? Explain with an example. [7]
6. a) Which features of Perl provides code reusability? Give examples of that features. [7]
- b) Explain with an example how to open and read the data files in Perl. [7]
7. a) Discuss about array creation, manipulation functions of Ruby with an example. [7]
- b) Describe the concept of Rails with an example. [7]

