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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)
Fifth Semester, Master of Computer Applications (MCA)
Semester End Examination; Dec - 2016/Jan - 2017
Advanced Web Programming

Time: 3 hrs   *Max. Marks: 100*

Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.

UNIT - I

1 a.	Explain with examples scalar, array and hash variables in PERL.	6
b.	Explain with example, substitute function in PERL and mention its modifiers and example.	8
c.	What is 'file handle'? Explain open, print and read file handling functions in PERL.	6
2 a.	What is common gateway interface? Explain the processing of CGI.	10
b.	How do you create HTML pages dynamically in PERL using CGI pm methods? Illustrate with example.	10

UNIT - II

3 a.	Illustrate with example uploading files using PERL.	10
b.	What is the benefit of PERL DBI? Explain PERL DBI methods.	10
4 a.	What is PHP? Explain the general syntactic characteristics of PHP.	10
b.	Create an array of name and age, sort this array by keys using built-in-function in PHP.	10

UNIT - III

5 a.	Explain how to start session in PHP? Explain how to access and delete session in PHP?	10
b.	Discuss briefly PHP's XML facilities.	6
c.	What is RSS? Write the syntax of RSS.	4
6 a.	What is cookie and session? Explain both with suitable example using PHP.	10
b.	What is MYSQL? Explain database connection using MYSQL database in PHP.	10

UNIT - IV

7 a.	Explain the code block and Iterator with example in Ruby.	10
b.	Explain string methods in Ruby with suitable example.	10
8 a.	How do you build databases in Rails? Explain.	10
b.	What is Layouts? Illustrate with example creation of style sheet.	10

UNIT - V

9 a.	What is Web 2.0? What are the benefits and limitations of Web 2.0? Discuss floksonomies with example.	10
b.	Explain SaaS and Social networking with respect to Web 2.0.	10
10 a.	Discuss various web services.	10
b.	Write a short note on following : i) SOAP ii) JSON.	10

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