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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 : 10
 - i) SOAP
 - ii) JSON.