U.S.N ☐☐☐☐☐☐☐☐☐☐

P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belagavi)
Fifth Semester, Master of Computer Applications (MCA)
Semester End Examination; Dec - 2017/Jan - 2018
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 the various types of literals in Perl language with examples.	8
b.	Explain numeric and string scalars with examples.	12
2 a.	List and demonstrate the usage of any two kinds of loops supported in Perl.	6
b.	How do you create an array in Perl? Also explain how to access array elements?	6
c.	Define a cookie. How are cookies created in CGI? Illustrate with an example.	8

UNIT - II

3 a.	Illustrate with an example how to track users with hidden data?	10
b.	State the uses of PHP. State and explain the characteristics of PHP.	10
4 a.	Explain any two types of control statements in PHP with their usage.	6
b.	State any three differences between POST and GET methods.	6
c.	Explain the architecture of DBI discuss the db connection with an example.	8

UNIT - III

5 a.	What is a session? State the different types of sessions. Explain with an example how a session can be created in PHP?	10
b.	What is XML? What is RSS? Write its syntax with example.	10
6 a.	What is MySQL? With an example, explain how to create a sample table with the following details : (Using PHP); Table Name: Student Table Fields: Sid, Sname, Sage, Sgender.	10
b.	How to start a session, access the session and delete the session using PHP?	10

UNIT - IV

7 a.	State any two uses of Ruby. Explain the Ruby scalar types with any two operations.	10
b.	List and explain any two control statements in Ruby Language with usage.	10
8 a.	State the salient features of Rails. Explain the Rails MVC architecture with a suitable diagram.	10
b.	Explain document requests with an example using Rails.	10

UNIT - V

9 a. What is web 2.0? Discuss Folksonomies with an example. 8

b. What does JSON stand for? Explain array and object literals with an example. 12

10 a. What is SaaS? Give an example of SaaS. State the advantages v/s disadvantages of SaaS usage. 10

b. Write short notes on SOAP and WSDL. 10

∗ ∗ ∗