Fourth Semester MCA Degree Examination, June/July 2019
Advanced Web Programming

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1 a. With examples, explain the string functions in Perl.   (06 Marks)
   b. Explain with examples scalar, array and hash variable in Perl.   (10 Marks)
   c. Write a Perl program to display a digital clock which displays the current time of the server.
                                                                                                (04 Marks)

2 a. Explain the steps in creation of dynamic HTML pages using CGI.   (10 Marks)
   b. What is CGI? Explain how to create, delete and read a cookie in Perl.   (10 Marks)

3 a. Write a Perl program to insert name and age information and to display the contents.
                                                                                                (10 Marks)
   b. Explain Perl DBI methods.   (06 Marks)
   c. Explain how to track users with hidden data in Perl.   (04 Marks)

4 a. List and explain string handling functions in PHP.   (10 Marks)
   b. How to create an array in PHP? Explain different functions for dealing with arrays.
                                                                                                (10 Marks)

5 a. Explain the following string methods in Ruby: capitalize, catenation, append, chop and bang.
                                                                                                (10 Marks)
   b. With an example, explain the built-in methods for arrays and lists in Ruby.   (10 Marks)

6 a. Explain directory structure for the rails application.   (10 Marks)
   b. Explain how do you build databases in rails.   (10 Marks)

7 a. Explain SaaS and multiple delivery channels in Web2.0.   (08 Marks)
   b. Explain social networking and mention different social networking sites.   (05 Marks)
   c. Discuss how the rich browser experience is made possible.   (07 Marks)

8 a. Describe SOAP. Explain different styles of SOAP with an example.   (10 Marks)
   b. What is JSON? Explain JSON format.   (10 Marks)

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