USN | | | | | | | | | | 13MCA43

Fourth Semester MCA Degree Examination, Dec.2016/Jan.2017
Advanced Web Programming

Time: 3 hrs. Max. Marks:100

Note: *Answer any FIVE full questions.*

1 a. What are the three categories of Perl variables? Give example for each. **(06 Marks)**
   b. Explain any two string functions in Perl. **(04 Marks)**
   c. Explain the basics of pattern matching, substitutions and transliterate in Perl. **(10 Marks)**

2 a. How do you create an array? Describe the various functions for dealing array with example in Perl. **(10 Marks)**
   b. What is CGI? Explain query string format. **(04 Marks)**
   c. Briefly explain some of the common CGI.pm functions. **(06 Marks)**

3 a. Explain how HTML pages created dynamically in CGI. Give proper example. **(10 Marks)**
   b. What is Cookie? Where it is stored? Explain how to create and delete a Cookie in CGI. **(10 Marks)**

4 a. Write a Perl program to insert name and age information entered by the user in to a table created using MySQL and to display the current content of this table. **(10 Marks)**
   b. Write the major steps to access database mysql. Using perl. Explain with example. **(10 Marks)**

5 a. What is file handle? Explain how files can be opened for input and output in PHP. **(10 Marks)**
   b. Write a PHP program to read student data from an XML file and store into the MySQL database. Retrieve and display using search function. **(10 Marks)**

6 a. With example explain selection and loop statements in Ruby. **(10 Marks)**
   b. Write short notes on Code Blocks an Iterators. **(05 Marks)**
   c. Write a ruby program to count the words and their frequencies in the given string. **(05 Marks)**

7 a. Explain the form handling in rails with example program. **(10 Marks)**
   b. What is web 2.0? Explain. **(03 Marks)**
   c. What are social networkings? Briefly discuss about floksonomies. **(07 Marks)**

8 a. What is JSON? Explain the different the different types of literals used in JSON with examples. **(10 Marks)**
   b. Write short notes on SOAP, WSDL and REST services. **(10 Marks)**

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