

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)

* * * * *

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations with eg, 42 = 6 - 56, will be treated as malpractice.