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Fourth Semester MCA Degree Examination, Aug./Sept. 2020

Advanced Web Programming

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

1.
 - a. Explain array and hash variable in Perl. Give suitable examples. (05 Marks)
 - b. What is pattern matching? Describe the different operators used to match pattern in Perl. (06 Marks)
 - c. Describe the file handling mechanism in Perl and explain various modes of file handling. (06 Marks)
 - d. Write a Perl script to copy data from one file to another file. (03 Marks)
2.
 - a. What is a Cookie in Perl? Explain different parts of cookie and how to create and delete a cookie? (10 Marks)
 - b. Discuss the working process of CGI and how user can control HTTP headers with help of CGI.pm. (10 Marks)
3.
 - a. Explain the architecture of DBI and discuss the database connection with example. (08 Marks)
 - b. How users can be tracked by using hidden data. (06 Marks)
 - c. Explain HTTP style communication. (06 Marks)
4.
 - a. What are php super globals? Explain any five php superglobals. (06 Marks)
 - b. Explain POSIX regular expressions and its functions. (08 Marks)
 - c. With suitable example, explain how to start and delete session in php. (06 Marks)
5.
 - a. What is MYSQL? How connection is established between php and MYSQL? (06 Marks)
 - b. What is RSS? Explain its syntax? (06 Marks)
 - c. What is Ruby? Explain the various variables used in Ruby. (08 Marks)
6.
 - a. Explain Ruby methods. (10 Marks)
 - b. Explain Rails applications with databases. (10 Marks)
7.
 - a. Briefly explain web 2.0 services. (12 Marks)
 - b. Give an example to create a layout in Rails. (04 Marks)
 - c. What is web 2.0? Discuss features of web 2.0. (04 Marks)
8.
 - a. Explain types of web services. (08 Marks)
 - b. What is JSON? Write syntax, advantages and disadvantages of JSON. (06 Marks)
 - c. Describe WSDL specification. (06 Marks)

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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 written eg, 42+8 = 50, will be treated as malpractice.



