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13MCA43

Fourth Semester MCA Degree Examination, Feb./Mar. 2022
Advance Web Programming

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

1. a. What is Perl? Elaborate on the categories of Perl built in data type with an example. (08 Marks)
b. Define Subroutines in Perl, with an example. (04 Marks)
c. Demonstrate the usage of substitution and Translation in Perl pattern matching with an example. (08 Marks)
2. a. List all the Array built in functions in Perl and explain any three functions with an example. (08 Marks)
b. Demonstrate any Perl program to create an HTML page dynamically by applying CGI. PM method. (Elements like Text Box, Popup, Radio, Checkbox and a Submit button to be included). (08 Marks)
c. What is a Reference in Perl? Explain with an example. (04 Marks)
3. a. Write a program in Perl for uploading and displaying an image. (07 Marks)
b. Write a Perl program to insert name and age information extracted by the user into a table created using Mysql and to display the Current contents of this table. (10 Marks)
c. Write a note on Libwww. (03 Marks)
4. a. Define Session in Php. Explain how to start and destroy a Session for a Login page program in php. (10 Marks)
b. Explain the following terms :
i) \$ - REQUEST ii) \$ - POST iii) \$ - GET. (06 Marks)
c. Explain Isset () and Unset () function with an example. (04 Marks)
5. a. Briefly explain the concept of class and methods in ruby with an programming example. (10 Marks)
b. Define Code blocks and iterators in ruby, with an example. (06 Marks)
c. Explain about Hashes in ruby, with an example. (04 Marks)
6. a. Describe the directory structure of Rails. (08 Marks)
b. Explain about the Document Requests in Rails. (06 Marks)
c. Explain form processing, with an program example. (06 Marks)
7. a. How Web 2.0 is different from Web 1.0? Explain the Folk sinomies of Web 2.0. (10 Marks)
b. Write a note on SAAS. (05 Marks)
c. Explain the iterative development with an example. (05 Marks)
8. a. Brief about WSDL and its framework with an example. (10 Marks)
b. Write a note on SOAP and JSON. (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 written eg, 42+8 = 50, will be treated as malpractice.