USN ☐☐☐☐☐☐☐☐☐☐

Fourth Semester MCA Degree Examination, June/July 2018
Advanced Web Programming

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. Explain hashes and its manipulation in Perl.   **(10 Marks)**
    b. Explain file input and output concept in Perl   **(10 Marks)**

2   a. Write a note on the following :
        i) CGI.PM method
        ii) Adding Robustness to CGI script.   **(12 Marks)**
    b. Discuss start_html method.   **(08 Marks)**

3   a. In detail, explain Perl DBI methods.   **(12 Marks)**
    b. Explain scalar type conversions in PHP.   **(08 Marks)**

4   a. Explain file handling in PHP.   **(10 Marks)**
    b. How users can be tracked in PHP built web applications? Explain.   **(10 Marks)**

5   a. Briefly explain the concept of classes in Ruby.   **(10 Marks)**
    b. Write a note on following :
        i) Times and collect iterator.
        ii) sub and gsub!   **(10 Marks)**

6   a. Build a Rails application to accept book information Viz accession no., title, authors, edition and publisher from a web page and store the information in a database, and to search for a user and to display the search results with proper headings.   **(15 Marks)**
    b. What is SaaS? Explain its advantages.   **(05 Marks)**

7   a. Explain convergence is iterative development.   **(10 Marks)**
    b. What is SOAP? With example explain its styles.   **(10 Marks)**

8   Write a note on the following :
    a. Referencing in Perl
    b. Sequential access to array elements in PHP
    c. Shift and push methods in Ruby
    d. Folksonomies and web 2.0.   **(20 Marks)**

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