V Semester M.C.A. Examination, January 2019
(CBCS)
COMPUTER SCIENCE
MCA 501: Advanced Web Programming

Time: 3 Hours
Max. Marks: 70

Instructions: 1) Part – A: Answer any five questions from Part – A, each question carries 6 marks.
2) Part – B: Answer any four questions from Part – B, each question carries 10 marks.

PART – A

Answer any five questions from Part – A, each question carries 6 marks. (5x6=30)
1. What is cookie? Explain cookie handling in PHP.
2. Explain basic pattern matching in Perl.
3. Write a program in Perl. Demonstrate usage of function, parameter passing and scope of a variable.
4. Explain CGI, CGI linkage and CGI query string format in Perl.
5. What are servlets? Explain the life cycle of servlet and its methods.
7. Define MySQL database. Explain database access with PHP and MySQL.
8. Explain file processing using Perl (Give example).

PART – B

Answer any four questions from Part – B each question carries 10 marks. (4x10=40)
9. Write a program in Perl to insert name and age information entered by the user into a table created using MySQL and to display the current contents of the table.
10. a) Explain CODE blocks and iterators in Ruby.
    b) Explain OOPs concept in Ruby. (5+5)
11. Explain MVC architecture of Rails in detail.
12. Explain form handling in PHP? Write a program to demonstrate the same.
13. Write notes on:
    a) JDBC
    b) Arrays and hashes in Ruby.
14. Explain the various elements of JSP document. Write an example in JSP to display “HelloWorld”.
V Semester M.C.A. Examination, January 2018
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COMPUTER SCIENCE
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Instruction: Answer any five questions from Section – A and any four from Section – B.

SECTION – A

Answer any five questions. (5×6=30)

1. Explain three categories of Perl variables.

2. Write an explanatory note on predefined variables in PHP.

3. Explain the life cycle of servlets in JSP.

4. Write a PHP program to store page views count in SESSION to increment the count on refresh and to show the count on web page.

5. a) Explain the actions of stripslashes() and addslashes() functions in PHP.
    b) Give syntax and semantics of Foreach statement in PHP with examples.

6. Explain CGI LINKAGE, CGI query string format in Perl.

7. Explain methods, parameter passing and scope of variables in Ruby.

8. Explain types of arrays and Built-In Array Functions in PHP.

SECTION – B

Answer any four full questions from Section – B. (4×10=40)

9. a) Explain references and dereferencing with an example in Perl. (6+4)
    b) Explain transfilterate operators with modifiers in Perl.

10. Write a perl program to insert name and age information entered by user into a table created using Mysql and to display the current contents of table.

P.T.O.
11. a) Explain the advantages of using Ruby on Rails in developing applications. (4+6)
    b) Explain MVC Architecture in Rails.

12. a) Explain code blocks and iterators in Ruby. (6+4)
    b) Explain briefly about numeric class in Ruby.

13. a) Differentiate Ajax sessions and non-Ajax sessions. (4+6)
    b) Write a program to demonstrate the usage of XMLHttpRequest object.

14. Describe the Database Access with PHP and Mysql with an example.
V Semester M.C.A. Examination, December 2016
(CCBS)
COMPUTER SCIENCE
MCA501 : Advanced Web Programming

Time : 3 Hours  Max. Marks : 70

Instructions: 1) Part – A : Answer any five questions from Part – A, each question carries 6 marks.
2) Part – B : Answer any four questions from Part – B, each question carries 10 marks.

PART – A

Answer any five questions from Part – A, each question carries six marks. (5x6=30)

1. What are the three categories of Perl variable ? Explain the string operators and string functions in Perl.

2. Explain the basic pattern matching using regular expression in Perl.

3. What are the four kinds of elements is a JSP document ? Explain the five libraries of the JSTL.

4. What is a Servlet container ? Describe the purpose of the life-cycle Servlet methods.

5. Write the PHP code snippet to
   a) Display the tables names in the database using the metadata of the database.
   b) Display the column names of the result using the metadata of resultset.

6. Describe briefly the MVC architecture and the ORM concept used by Rail applications.

7. Write a Perl program which creates a hash table containing country names keys and their capitals as values and perform the following :
   i) Print all pair of values (country name and capital)
   ii) Accept country name and print the capital of it.

8. Explain functions, parameter passing and scope of a variable in PHP.

P.T.O.
PART - B

Answer any four from Part - B, each question carries ten marks. (4x10=40)

9. Explain hashes in Perl. What are the ways in which hash values can be manipulated? Explain the value, key and sort operators in Perl.

10. Explain Servlet support for Cookies and Session Handling.

11. Explain the Classes, Methods, Access control and Inheritance in Ruby.

12. Describe the Database access with JDBC and MySQL. Explain with a sample coding.

13. Explain the basics of Ajax. Describe the Request Phase, the Response document, the receiver phase required for the blur event of the zip code text box to return the city and state to the corresponding text boxes.

14. Write a CGI-PERL program to use a cookie to remember the day of the last login, from the user and display when it is executed.