DDD-1738
B. Sc. (I.T.) (Sem. VI) Examination
March / April - 2016
Web Development - II

Time : 3 Hours] [Total Marks : 70

Instructions :

(1) Fill up strictly the details of signs on your answer book.

Name of the Examination : B. Sc. (I.T.) (SEM. 6)
Name of the Subject : WEB DEVELOPMENT - 2

Seat No.:

Subject Code No. : 1 7 3 8 Section No. (1, 2, ......) NIL
Student's Signature

(2) All questions are compulsory.

1 Answer the following : (any three) 18

(i) Write a note on super globals in PHP.

(ii) Write a note on OOP concepts in PHP along with suitable example. Explain serialization and magic methods.

(iii) What are similarity, differences and importance of include () and require () functions? Also mention usage of include_once () and require_once ()..

(iv) Develop validations.php file with validation functions for username, password, age and email field for a typical student registration form.

2 Do as directed : 18

(i) Write a PHP program that lists contents of a subdirectory with pagination with 10 entries on one page.

OR

(ii) Write a PHP program for user registration form with profile picture upload using PDO for a MySQL database.

(i) Write a note on SQL injection and its solutions in PHP and MySQL.

DDD-1738] 1 [Contd...
3 Answer the following : (any three)

(i) Write a note on AJAX. Write a program to fetch all records from users table and display using ajax.

(ii) Write a note on template engine with suitable program using Smarty template engine.

(iii) What is MVC ? Explain with architecture and its importance with a simple program using any PHP based readymade MVC framework.

(iv) Write a view page for Rails application using form and html helpers covering all html form controls.

4 Answer the following : (any four)

(i) How and when to use rake db:create and rank db:migrate ?

(ii) Write a note on Ruby variables and data types.

(iii) Develop a master module for managing (typical CRUD operations) product table using RoR.

(iv) Write a PHP script for a cookie based page visit counter.

(v) Write a PHP script to read employee records from XML file and store them into employee table of MySQL database.