M. Sc. (IT & CA) (Sem. III) (CBCS) Examination

November - 2019

CS-14 Web Application Development Using Django

(New Course)

Faculty Code : 003
Subject Code : 1083002

Time : $2\frac{1}{2}$ Hours]   [Total Marks : 70

1 **(A)** Objective type questions   **4**
  1. What is lambda in Python?
  2. _____ command is used to generate random numbers in Python.
  3. PEP stands for_____.
  4. To define a Python function, the_____keyword is used.

(B) Answer in brief (Any one)   **2**
  1. Write Applications of Python
  2. What is the difference between Python Arrays and lists ?

(C) Answer in detail (Any one)   **3**
  1. Explain for Loop.
  2. Explain Logical Operators.

(D) Write a note on (Any one)   **5**
  1. Explain Dictionaries with example.
  2. Explain Tuples with example.

2 **(A)** Objective type questions   **4**
  1. _____command is used to display the current Django version.
  2. What is the Django command to start a new app named 'users' in an existing project?
  3. MVC stands for_____.
  4. Templating is not the feature of Django web framework. [True/False]

(B) Answer in brief (Any one) 2

    1.   Explain wsgi.py.

    2.   Explain urls.py.

(C) Answer in detail (Any one) 3

    1.   Explain MVC in Django.

    2.   What is Request and Response ?

(D) Write a note on (Any one) 5

    1.   Write steps for Django Installation.

    2.   Explain Template in Django.

3 (A) Objective type questions 4

    1.   ORM stands for _____.

    2.   _____ exception is raised if MyObject.objects.get( ) is called with parameters that do not match an existing item in the database.

    3.   _____ is the Django command to view a database schema of an existing (or legacy) database.

    4.   In Django how would you retrieve all the 'User' records from a given database?

(B) Answer in brief (Any one) 2

    1.   What are the officially supported databases of Django.

    2.   Explain Order_by( ).

(C) Answer in detail (Any one) 3

    1.   Explain how to connect MSQL Database with Django.

    2.   Explain Django's Model in detail.

(D) Write a note on (Any one) 5

    1.   Explain Data Updating with example in Django.

    2.   Explain Data Deletion with example in Django.

4 (A) Objective type questions : 4

    1.   URL stands for _____.

    2.   _____ command is used to create a superuser in Django.

    3.   _____ is a set of patterns that Django will try to match the requested URL to find the correct view.

    4.   _____ file is used to register model for admin site.

(B) Answer in brief (Any one)   **2**

   1. Explain Model Form.

   2. Explain GET and POST methods.

(C) Answer in detail (Any one)   **3**

   1. Explain rendering a web page via view function.

   2. Explain requesting a web page via URL.

(D) Answer in detail (Any one)   **5**

   1. Explain Form Validation with example.

   2. Explain Django Admin Site.

5 (A) Objective type questions   **4**

   1. What are Cookies ?

   2. Django has method _____ which we can use to create cookies very easily.

   3. The _____ object in Django has a session attribute, which creates, access and edits the session variables.

   4. Any test within tests.py file that starts with _____ will be run by Django's test runner.

(B) Answer in brief (Any one)   **2**

   1. What is GitHub?

   2. Cookies vs. Session.

(C) Answer in detail (Any one)   **3**

   1. Write steps to deploy web application in Django.

   2. Explain Amazon Web Service.

(D) Write a note on (Any one)   **5**

   1. Explain Cookies with example in Django.

   2. Explain Django's Session Framework.

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