

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Nov/Dec-2023 (OLD COURSE)****WEB APPLICATION DEVELOPMENT USING DJANGO (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que.1(A) Answer following Questions. (04)
1. _____ is continues character.
 2. a,b,c = 1,2,"Hello" It is a valid python statement.(True/False)
 3. state the difference between List and Tuple.
 4. statement returns the control to the beginning of the while loop.
- Que.1(B) Answer Any One. (02)
1. Explain Environment variables in python.
 2. Explain different methods to sort dictionaries.
- Que.1(C) Answer Any One. (03)
1. Explain List and Tuple.
 2. Explain strength and weakness of python.
- Que.1(D) Answer Any One. (05)
1. Write short note on looping construct with break, continue and pass statement.
 2. Write short note on operators in python.
- Que.2(A) Answer following Questions. (04)
1. Full form of WSGI.
 2. module supports regular expression in python.
 3. file is used to do Django project configuration.
 4. command is used to execute project server.
- Que.2(B) Answer Any One. (02)
1. Explain Web framework and Web application.
 2. what is use of manage.py?
- Que.2(C) Answer Any One. (03)
1. Explain urls.py and admin.py.
 2. Explain @if for DTL.
- Que.2(D) Answer Any One. (05)
1. Write short note on template loading methods.
 2. Explain MVC structure of Django Project.
- Que.3(A) Answer following Questions. (04)
1. The built in database engine for mysql is.....
 2. A is a class that represents table or collection in our DB.
 3. command is used to get all records from table.
 4. Write command to delete all records from table.
- Que.3(B) Answer Any One. (02)
1. How to configure database?
 2. Write the structure of models.py.
- Que.3(C) Answer Any One. (03)
1. Define model for emp table (empno, empname, dept, grade, salary).
 2. Explain with example: SELECT and UPDATE query.

- Que.3(D) Answer Any One. (05)
1. Write a program to accept employee information (empno, empname, dept, grade, salary) and display it.
 2. Write a program to accept employee information (empno, empname, dept, grade, salary) and delete it.
- Que.4(A) Answer following Questions. (04)
1. The _____ class is the representation of a model in the admin interface.
 2. _____ attribute, if given, should be a list of field names to exclude from the form.
 3. _____ class describes a form and determines how it works and appears.
 4. _____ reads metadata from your models to provide a quick, model-centric interface where trusted users can manage content on your site.
- Que.4(B) Answer Any One. (02)
1. How to create super user?
 2. What is context data?
- Que.4(C) Answer Any One. (03)
1. Explain with example: How to request a page through URL.
 2. Explain with example: How to pass HTTPResponse data to template.
- Que.4(D) Answer Any One. (05)
1. Write short note on form validation.
 2. Write short note on django.contrib package.
- Que.5(A) Answer following Questions. (04)
1. Write command to execute tests.
 2. _____ module built in to the Python standard library. Is used to write tests.
 3. _____ are the mechanism used by Django for keeping track of the "state" between the site and a particular browser.
 4. By default, Django stores sessions in your database model.
- Que.5(B) Answer Any One. (02)
1. What is session? How it is useful in web application?
 2. How to use session data in views?
- Que.5(C) Answer Any One. (03)
1. How to store and retrieve cookie?
 2. How to use session data outside the views?
- Que.5(D) Answer Any One. (05)
1. How to deploy Django application on AWS?
 2. Write short note on how to use python unittest2 library for Django web application.
