

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Oct/Nov-2021 (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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- Q.1(A) Answer the following questions. (04)
1. Write the command to execute python file test1.py
 2. What is PYTHONPATH ?
 3. How to write comment in python program?
 4. How to write more than one statement in single line?
- Q.1(B) Answer the following questions. (Any One) (02)
1. Explain Format method.
 2. Explain if statement in python.
- Q.1(C) Answer the following questions. (Any One) (03)
1. Explain loop construct with break and continue statements.
 2. Explain different methods for copying collections.
- Q.1(D) Answer the following questions. (Any One) (05)
1. Write short note on Data types in Python.
 2. Write short note on User Defined function in Python.
- Q.2(A) Answer the following questions. (04)
1. What is the use of __init__.py file?
 2. What is web framework?
 3. Give full form of MVT.
 4. Write command to create a new project named test1 of django.
- Q.2(B) Answer the following questions. (Any One) (02)
1. What is the use of manage.py file ?
 2. How to setup database in Django project?
- Q.2(C) Answer the following questions. (Any One) (03)
1. Explain loops in DTL.
 2. What is template file? How to use it from view file explain with example.
- Q.2(D) Answer the following questions. (Any One) (05)
1. Write short note on template loaders.
 2. Explain Project and Application architecture in Django.
- Q.3(A) Answer the following questions. (04)
1. Write name of backend used for oracle
 2. How to define integer data type in model?
 3. Write a command to get all records from table and display it.
 4. User defined model is inherited from which class?

- Q.3(B) Answer the following questions. (Any One) (02)
1. Write command to create a record in python shell and save it to table.
 2. Write command to delete a record in python shell.
- Q.3(C) Answer the following questions. (Any One) (03)
1. What is Model? How to create model?
 2. Explain following method.
exist(), filter(), order_by()
- Q.3(D) Answer the following questions. (Any One) (05)
1. Create a project to delete a record in employee table.
 2. Create a project to display a record in employee table.
- Q.4(A) Answer the following questions. (04)
1. Which application should be installed in INSTALLED_APPS to use admins site?
 2. Write command to create admin user.
 3. What is is_valid() ?
 4. What is context?
- Q.4(B) Answer the following questions. (Any One) (02)
1. Explain render method.
 2. How to request a web page via URL ?
- Q.4(C) Answer the following questions. (Any One) (03)
1. Write steps how to use admin site?
 2. What is use of ModelForm?
- Q.4(D) Answer the following questions. (Any One) (05)
1. Write short note on contrib package.
 2. Explain Form Validation.
- Q.5(A) Answer the following questions. (04)
1. What is Session?
 2. To use session , which middleware is used ?
 3. Write command to execute test.
 4. What is test suits?
- Q.5(B) Answer the following questions. (Any One) (02)
1. What is cookies?
 2. Explain how to use session in views
- Q.5(C) Answer the following questions. (Any One) (03)
1. Explain Django's Session framework.
 2. Explain how to get and set cookies?
- Q.5(D) Answer the following questions. (Any One) (05)
1. Explain how to deploy Django application on GitHub?
 2. Write steps how to do testing with tests.py.
