

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Oct/Nov. -2019 (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) How to define string with different quotations?
 - (2) What is slicing ?
 - (3) _____ is developer of Python.
 - (4) _____ has a role similar to PATH. This variable tells the Python interpreter where to locate the module files imported into a program.
- Q.1(B) Answer Any One: (02)
- (1) How to set path for python in Linux/windows?
 - (2) Explain input function.
- Q.1(C) Answer Any One: (03)
- (1) Explain advantages and disadvantages of Python.
 - (2) Explain Python Identifier.
- Q.1(D) Answer Any One (05)
- (1) Write short note on Dictionary and its functions.
 - (2) Write short note on Python function.
- Q.2(A) Answer the following Questions : (04)
- (1) What is web framework?
 - (2) What is django-admin?
 - (3) Write a command to create a Django application.
 - (4) In csrf_token what is full form of csrf ?
- Q.2(B) Answer Any One : (02)
- (1) How to test your Django installation?
 - (2) How to write comment in Django?
- Q.2(C) Answer Any One: (03)
- (1) Write advantages of Django.
 - (2) Explain MVT pattern in Django.
- Q.2(D) Answer Any One : (05)
- (1) Write steps for Django installation.
 - (2) Explain Templates in Django with extends and block.
- Q.3(A) Answer following Questions : (04)
- (1) Write command to delete all records from table.
 - (2) What is Model.
 - (3) Models are defined in _____ folder/file.
 - (4) Default database provided by Django is _____.
- Q.3(B) Answer Any One: (02)
- (1) Explain field's type in django.db.models.
 - (2) Write the names of four database engine.

- Q.3(C) Answer Any One : (03)
(1) How to create a model? Explain with example.
(2) Write configuration for mysql database.
- Q.3(D) Answer Any One: (05)
(1) Write short note on CRUD operations from Python Shell.
(2) Create a project to insert a record in employee table.
- Q.4(A) Answer following Questions : (04)
(1) What is an admin site?
(2) What is supersuser?
(3) What is Validation error?
(4) What is cleaned_data?
- Q.4(B) Answer Any One: (02)
(1) How to request a webpage via URL?
(2) Explain render ()
- Q.4(C) Answer Any One: (03)
(1) What is the use of automatic admin interface in Django?
(2) Explain Django Form class.
- Q.4(D) Answer Any One : (05)
(1) Explain Form Rendering process.
(2) Explain ModelForm.
- Q.5(A) Answer the following Questions : (04)
(1) The preferred way to write tests in Django is using the _____ module built in to the Python standard library.
(2) Write a command to execute a test.
(3) The _____ is a collection of test cases.
(4) A _____ is what is used to setup a test so it can be run and also tears down when the test is finished.
- Q.5(B) Answer Any One: (02)
(1) What is session?
(2) State types of testing. Explain any one.
- Q.5(C) Answer Any One: (03)
(1) How Django manages Cookies?
(2) Configuration settings for Session.
- Q.5(D) Answer Any One: (05)
(1) How to deploy django app on GitHub.
(2) Explain unittest2 library.
