

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**DEC/JAN. - 2020 - [NEW COURSE]****Web Application Development Using Django (Core (New))****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Answer following questions (03)
1. What is Python?
 2. How to execute python script from command line?
 3. _____ symbol is used for python comment.
- Q.1(B) Answer any two (06)
1. Explain Python environment variable.
 2. Explain type conversion functions.
 3. Explain return statement.
- Q.1(C) Answer any one (05)
1. Write short note on Basic operators in python.
 2. Write short note on copying collection.
- Q.2(A) Answer following questions. (03)
1. What is Django?
 2. Full form of DTL is _____
 3. _____ module supports regular expression.
- Q.2(B) Answer any two (06)
1. Explain features of Django.
 2. Explain render() with example.
 3. Explain conditional operators in DTL.
- Q.2(C) Answer any one (05)
1. Write short note on Django project structure.
 2. Explain built-in filters.
- Q.3(A) Answer following questions (03)
1. Default database provided by Django is _____
 2. _____ is the name of Postgres database engine in Django.
 3. Write a command to display those records which have city=junagadh.
- Q.3(B) Answer any two. (06)
1. How to create a model? Explain with example.
 2. Write configuration for mysql database.
 3. Explain following methods.
save(), exist(), values_list, get(), filter(), order_by
- Q.3(C) Answer any one (05)
1. Write short note on CRUD operations from Python Shell.
 2. Create a project to update a record in employee table.
- Q.4(A) Answer following questions. (03)
1. Write command to create superuser?
 2. What is cleaned_data?
 3. What is contrib. package?

- Q.4(B) Answer any two (06)
1. Explain render () with example.
 2. What are basic requirement to use admin interface in Django?
 3. Explain is_valid() with example.
- Q.4(C) Answer any one (05)
1. Explain Model Form and its data types.
 2. Write short note on Contrib packages.
- Q.5(A) Answer following questions. (03)
1. By default, Django stores sessions in _____
 2. Write a command to execute a test.
 3. The _____ is a collection of test cases.
- Q.5(B) Answer any two (06)
1. Explain Test Structure.
 2. How Django manages Session?
 3. Configuration settings for Session.
- Q.5 (C) Answer any one (05)
1. How to deploy django app on Amazon EC2 instance.
 2. Write short note on testing in python
