Django Basics - Exam 1
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Total Marks: 100
Submission Deadline: End of the Day
Section A: Multiple Choice Questions (50 Marks)
(Each question carries 5 marks)

1. Which command is used to create a new Django project?
a) django-admin startproject <project_name>
b) python manage.py startproject <project_name>
c) django-admin startapp <app_name>
d) python manage.py startapp <app_name>
Ans- **a) django-admin startproject <project_name>**

2. What is the default database used in Django?
a) MySQL
b) PostgreSQL
c) SQLite
d) Oracle
Ans- **c) SQLite**

3. Which file contains the settings and configurations of a Django project?
a) views.py
b) settings.py
c) models.py
d) urls.py
Ans- **b)settings.py**

4. What is the purpose of models.py in Django?
a) To define database schema
b) To create views for templates
c) To handle URLs and routing
d) To render HTML templates
Ans- **a) To define database schemas**

5. How do you run a Django development server?
a) django-admin startserver
b) python manage.py runserver
c) django-admin runserver
d) python manage.py startserver
Ans- **b) python manage.py runserver**

6. What is the function of migrations in Django?
a) Handle routing
b) Synchronize database changes
c) Create templates
d) Run the development server
Ans- **b) Synchronize database changes**

7. Which command creates a new Django app?
a) django-admin startapp <app_name>
b) python manage.py startapp <app_name>
c) django-admin startproject <app_name>
d) python manage.py startproject <app_name>
Ans- **b) python manage.py startapp <app_name>**

8. What is the default port number for Django's development server?
a) 8000
b) 8080
c) 3000
d) 5000
Ans- **d)8000**

9. What is the purpose of the admin.py file in a Django app?
a) To create database models
b) To define admin interfaces for models
c) To configure app settings
d) To handle HTTP requests
 Ans- **b) To Define admin interface for models**

10. Which of the following is NOT a valid field type in Django models?
a) CharField
b) ImageField
c) TextField
d) StringField
Ans- **StringFiled**

Section B: Practical Task (50 Marks)
(Each question carries 25 marks)
1. Create a Django Project:
• Create a new Django project named BasicExam.
• Inside the project, create an app named teachers.
2. Model Creation:
• Create a model named Teacher with the following fields:
• id (Primary Key, Auto Field)
• name (CharField, max_length=50)
• subject (CharField, max_length=100)
• email (EmailField)
• Register this model in the admin panel and create a superuser.

Django administration

WELCOME, **ADMIN**. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home › Teachers › Teachers

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

| Groups | + Add |
| Users | + Add |

TEACHERS

| Teachers | + Add |

Select teacher to change

ADD TEACHER +

Action: --------- [Go] 0 of 3 selected

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3 teachers