



DBK-003-1083002

Seat No. _____

M. Sc. (IT & CA) (Sem. III) Examination

June - 2022

Web Application Development Using Django : CS-14

Faculty Code : 003

Subject Code : 1083002

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Instruction : Attempt any five questions out of the following.

- 1 (a) Attempt the following : 4
- (1) PEP stands for _____
 - (2) _____ is an interpreter, high-level and general-purpose programming language.
 - (3) Which command is used to generate random number in python ?
 - (4) Who developed the Python language ?
- (b) Explain python membership operator. 2
- (c) Explain strengths and weakness of python. 3
- (d) Explain for loop. 5
- 2 (a) Attempt the following : 4
- (1) Give full form of IDLE.
 - (2) _____ database is included in Python
 - (3) In which year was the Python language developed ?
 - (4) In which language is Python written ?
- (b) Explain dictionary data type with example. 2
- (c) Write a short note on user defined function. 3
- (d) What is set operations ? Explain set in detail. 5
- 3 (a) Attempt the following : 4
- (1) How to create new project in django ?
 - (2) Full form of MVC.
 - (3) Django was introduced by _____
 - (4) Which architectural pattern does Django follow ?

- (b) What is Web Application ? Write benefit of Web application. 2
- (c) Explain MVC. 3
- (d) How Django Process a request ? 5
- 4 (a) Attempt the following : 4
- (1) Full form of AJAX.
- (2) _____ command is used to display the current Django Version.
- (3) Python manage.py startproject.
- (4) Python manage.py runserver 8080
- (b) List Django Project structure. 2
- (c) Write a code for print hello word using hello.html in Django. 3
- (d) What is HTTP ? Explain HTTP request and response in detail. 5
- 5 (a) Attempt the following : 4
- (1) Give command for migrate database.
- (2) Full form of ORM.
- (3) Full for of DBMS.
- (4) Full form of SQL.
- (b) Why Django should be used for web-development ? 2
- (c) Explain Django Model. 3
- (d) Explain Primary key and foreign key in model. 5
- 6 (a) Attempt the following : 4
- (1) Which method is used to add new record ?
- (2) Which object is used to remove record ?
- (3) Full form of RDBMS.
- (4) What is Data ?
- (b) Explain filter () 2
- (c) Which steps to configure MySQL Database in Django ? 3
- (d) Explain sqlmigrate in Django. 5
- 7 (a) Attempt the following : 4
- (1) Can we use include () in Django.conf.urls ? (Yes or NO)
- (2) Write a command for create super user for admin.
- (3) Full form of HTTP.
- (4) Full form of CSS.
- (b) Define : Admin interface. 2
- (c) How to request web page via URL ? Explain with example. 3
- (d) Explain create model in Django. 5

- 8 (a) Attempt the following : 4
- (1) Full form of URL.
 - (2) Which method is used in html form ?
 - (3) Full form of HTML.
 - (4) A widget is Django's representation of an HTML _____ element.
- (b) Write short note on Python dictionary type. 2
- (c) Explain form validation in Django. 3
- (d) Explain HttpRequest. 5
- 9 (a) Attempt the following : 4
- (1) Full form of AWS.
 - (2) What is Session ?
 - (3) Which function is used to cookie creation ?
 - (4) AWS reaches customers in _____ countries.
- (b) Define : Django. 2
- (c) Django testing. 3
- (d) Explain how to deploy Django application on GitHub. 5
- 10 (a) Attempt the following : 4
- (1) Full form of HTTP.
 - (2) What is cookie ?
 - (3) Full form of API.
 - (4) Git is a _____ version control tool (Centralized/Decentralized)
- (b) Explain Cache Memory. 2
- (c) Explain AWS. 3
- (d) Explain cookies with example. 5
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