

1. Attempt the following:

(2x10=20)

- (a) How we add field in model? Illustrate with the suitable example.
- (b) What is the view? How to create a view in Django?
- (c) How do we use the boolean operator in Django? Explain with a suitable example.
- (d) How do we add image in django? Write down steps.
- (e) What is flush? Illustrate with suitable example.
- (f) How do we use the is\_valid () function in Django?
- (g) Why do we use CSRF in Django? Illustrate with suitable example.
- (h) How do we use if else in Django? Explain with a suitable example.
- (i) How we assign choices field in model? Illustrate with the suitable example.
- (j) How we customizing django admin templates? Illustrate with the suitable example.

**Unit - I**

- Q2. (a)** Explain MVT and MVC architecture of Django Framework with the help of suitable diagram. (5)  
**(b)** Why do we use views and URLs in Django? Explain how to Mapping URLs to Views and processing requests. (5)
- Q3.** What do you mean by management of variables? Explain with the help of suitable examples. Write a menu driven program to implement a calculator which performs only addition, subtraction, multiplication and division. (10)

**Unit - II**

- Q4. (a)** How to create a view with Dynamic URL in Django. Explain with suitable example. (5)  
**(b)** What is for loop? How do we use a for loop in the Django template system? (5)
- Q5.** How many types of form fields are available in Django? Write a program to show employee information (max:4 fields) using Django Form field. (10)

**Unit - III**

- Q6. (a)** Write down steps of configuring the database and defining models in django. (5)  
**(b)** How to apply validation on field and relationship in a model? Illustrate with suitable example. (5)
- Q7.** Write a program to design a feedback form on django using model and perform crud operation on this model. (10)

**Unit - IV**

- Q8. (a)**What are cookies? How do we set and get cookies in Django? Illustrate with suitable example. (5)  
**(b)** How we create a superuser in Django? Write down the steps of creation and change password of superuser. (4)
- Q9. (a)** What is session? How we create and destroy session in Django? (4)  
**(b)** What is cryptographic signing? How do we use cryptographic signing for securing in Django. Illustrate with suitable example. (6)
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