

***Subject Name: Salesforce Development***

***Year & Semester: III-I***

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| **Q.No** | **UNIT I - QUESTION** |
| 1 | 1. What is Salesforce ? Explain the salesforce architecture with a diagram. |
| 2 | Define the following with an example in salesforce :  a) objects b) Records c) Fields |
| 3 | What is Data Modelling? Explain about standard and custom objects with an example. |
| 4 | What are the different types of Object relationships? Write the steps to create and modify lookup and master-detail relationship. |
| 5 | Describe the advantages of using Schema Builder for data modelling. How do we use schema builder to create a schema for a given object model, to add custom object and custom field to your schema? |
| 6 | Explain why formula fields are useful. Create a simple formula to display an account field on the contact detail page. |
| 7 | Discuss about a roll up summary field . Create a roll up summary field where the total price of all products related to an opportunity is displayed. |
| 8 | What is Picklist? Explain in detail about types of picklist. |
| 9 | What is Data Management? What are the steps involved in importing and exporting data? |
| 10 | Discuss about Validation Rules. |

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| **Q.No** | **UNIT II - QUESTION** |
| 1 | Define Apex and write the features of Apex Programming in Salesforce. |
| 2 | State sObject data type. Describe in detail about its type with suitable example. |
| 3 | Write down the collection types in Apex and discuss the various methods of List collection with its implementation. |
| 4 | What are the steps to create an Apex class with methods and test your Apex Classes with an example? |
| 5 | How to retrieve data from the Salesforce database according to the specified conditions and objects using SOQL Queries. |
| 6 | Discuss the way to search fields across multiple standard and custom object records in Salesforce using SOSL queries. |
| 7 | Perform the following DML operations on Account Object,   1. Insert 2. Update 3. Upsert 4. Delete |
| 8 | Explain in detail about Apex Triggers and its types in Salesforce. |
| 9 | Create a Table to list and describe the various Context Variables in Apex Trigger. |
| 10 | Discuss in detail about the Bulk Trigger Design Patterns. |

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| **Q.No** | **UNIT III - QUESTION** |
| 1 | 1. What is the purpose of writing unit tests in Apex, and how do they contribute to maintaining code quality? |
| 2 | Explain the @isTest annotation in Apex. Why is it used, and what are its key benefits? |
| 3 | What are the best practices for writing effective unit tests in Apex? |
| 4 | How do you test an Apex Trigger to ensure it functions correctly in various scenarios? |
| 5 | What is the importance of using Test.startTest() and Test.stopTest() methods in testing Apex Triggers? |
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