

# **FULL STACK DEVELOPMENT (22-CS-PC-346)**

**ANSWER ALL THE QUESTIONS**

**Set-I**

| **S.No** | **Question** | **BTL** | **CO** | **PO** | **Unit** |
| --- | --- | --- | --- | --- | --- |
| 1 | Illustrate the Mongodb installation and data modelling concept. | IV | CO 3 | PO2, PO3, PO6, PO12, PO13 | 3 |
| 2 | Discuss Angular features and basic project setup | II | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 3 | Discuss String Interpolation with suitable example. | II | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 4 | Explain react components with suitable Examples. | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |
| 5 | Difference between Angular and React | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |

**Set-II**

| **S.No** | **Question** | **BTL** | **CO** | **PO** | **Unit** |
| --- | --- | --- | --- | --- | --- |
| 1 | Demonstrate the basic CRUD operations with Mongodb shell commands | III | CO 3 | PO2, PO3, PO6, PO12, PO13 | 3 |
| 2 | Explain how to create a component and what are the properties of components. | II | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 3 | Elaborate the routing concept in angular with Suitable Example. | II | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 4 | Create a react project and  Demonstrate props. | V | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |
| 5 | Illustrate the Implementation of the Redux Store and How do you connect a React component to a Redux store? | IV | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |

**Set-III**

| **S. No** | **Questions** | **BTL** | **CO** | **PO** | **Unit** |
| --- | --- | --- | --- | --- | --- |
| 1 | Elaborately explain the query projection in MongoDB with Example. | II | CO 3 | PO2, PO3, PO6, PO12, PO13 | 3 |
| 2 | Write about ngModel directive and how it will provide data binding in angular? | V | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 3 | Briefly discuss http module in angular and explain how to fetch data from an API with example. | V | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 4 | Explain different types of react components with example | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |
| 5 | Explain the life cycle of a component in react. | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |

**Set-IV**

| **S.No** | **Question** | **BTL** | **CO** | **PO** | **Unit** |
| --- | --- | --- | --- | --- | --- |
| 1 | Discuss Aggregation & pipeline in MongoDB with suitable Examples. | II | CO 3 | PO2, PO3, PO6, PO12, PO13 | 3 |
| 2 | Discuss different Ng directives with suitable example. | II | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 3 | Demonstrate the working of observables & subscriptions with an Example | III | CO 4 | PO2, PO3, PO6, PO12, PO13 | 4 |
| 4 | Explain the react routing with suitable example. | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |
| 5 | Explain the react features and installation with react project setup. | II | CO 5 | PO2, PO3, PO6, PO12, PO13 | 5 |