

Course : III-B.Tech (R22) II-SEM Branch : IT

**Subject : FSD Duaration : 2hr**

**Date : 09-05-2025 Max.Marks : 30**

**PART-A**

**I. Answer all the below questions each question carry two marks 5\*2=10**

1. Why react redux is important? (CO3)

2.Explain about MVC Pattern? (CO4)

3. What are the basic programming concepts in java web development?(CO4)

4. Provide examples of popular cloud platforms and deployment

strategies.(CO5)

5. what is relational Database? (CO5)

**PART-B**

**II. Answer any FOUR questions from the following**  **4\*5=20**

6. How do actions and reducers work together to manage state changes

in a Redux application? (CO3)

7. Compare and contrast Redux actions and reducers (CO3)

8. Describe the key features of the Spring Framework and how facilitates

building web applications in Java. (CO4)

9. How to create objects in JavaScript with example? (CO4)

10.Explain the concept of relational schemas and normalization.

Provide examples (CO5)

11.What is Data Persistance? How to create Spring Data Jdbc? (CO5)

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Why react redux is important? | **2** | **2** |
| **2.** | Explain about MVC Pattern? | **2** | **2** |
| **3** | What are the basic programming concepts in java web development? | **2** | **2** |
| **4** | Provide examples of popular cloud platforms and deployment strategies. | **2** | **2** |
| **5** | what is relational Database? | **2** | **2** |

**SCHEME OF EVALUATION**

**Part –A**

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | How do actions and reducers work together to manage state changes in a Redux application? | **5** | **5** |
| **7** | Compare  and contrast Redux actions and reducers? | **3**  **3** | **5** |
| **8** | Describe the key features of the Spring Framework and how facilitates building web applications in Java | **5** | **5** |
| **9** | How to create objects in JavaScript with example? | **5** | **5** |
| **10** | Explain the concept of relational schemas and normalization.  Provide examples | **4**  **1** | **5** |
| **11** | What is Data Persistance?  How to create Spring Data Jdbc? | **2**  **3** | **5** |