## B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023
Seventh Semester
### Information Technology
### 20ITEL708 - FULL STACK SOFTWARE DEVELOPMENT
(Regulations 2020)

Duration: 3 Hours                                                    Max. Marks: 100

### PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

*Marks, K-Level, CO*

1.  Define Language, framework and library. — *2,K1,CO1*
2.  What is event bubbling in java script? — *2,K2,CO1*
3.  Write the syntax of jquery. — *2,K2,CO2*
4.  What is chaining in jQuery? — *2,K1,CO2*
5.  Define Typerscript. — *2,K1,CO3*
6.  Write the command to install and configure the typescript compiler. — *2,K1,CO3*
7.  How can you optimize CRUD operations for a large dataset? — *2,K2,CO4*
8.  What Is Meant By Model Interface? — *2,K2,CO4*
9.  What about the opposite? Does Docker have any downsides? — *2,K2,CO6*
10. What platforms can you run Docker on? — *2,K1,CO6*

### PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11. a)  Explain in detail about web services and its types with suitable example. — *13,K2,CO1*

    **OR**

    b)  (i) Write a function to reverse a string in java script. — *6,K1,CO1*

    (ii) Create a web page to accept username and password. Write a java script program to validate it. Display the alert message "Welcome <<username>>" on successful login. — *7,K1,CO1*

12. a)  Demonstrate the jQuery methods for changing and manipulating HTML elements and attributes. — *13,K2,CO2*

    **OR**

    b)  Explain the traversing functionality of jQuery. — *13,K2,CO2*

*K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create*        **12183**

13. a) Elaborate on the attributes and properties of json package. *13,K2,CO3*

**OR**

b) Explain React Class component and function component with suitable examples. *13,K2,CO3*

14. a) Explain Briefly about Spring Architecture with neat sketch. *13,K2,CO4*

**OR**

b) Write A Code For Chain Of Resolvers In Spring MVC. *13,K2,CO4*

15. a) Explain briefly about Kubernetes and container operations. *13,K2,CO6*

**OR**

b) Explain briefly about application scheduling in detail. *13,K2,CO6*

## PART - C (1 × 15 = 15 Marks)

16. a) Explain briefly about application scheduling in detail. *15,K2,CO5*

**OR**

b) Explain neatly about Health checks with example case study. *15,K2,CO5*