



R20 Regulation

Subject code:3E6FC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, December 2024

STACK TECHNOLOGIES

(IT)

Maximum Marks: 70

Date:30.12.2024

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	What is session factory in hibernate?	1	L1
2	Define criteria in terms of Hibernate.	1	L1
3	What is dependency injection?	2	L1
4	What is autowiring?	2	L1
5	What are the advantages of Spring Boot?	3	L1
6	What is @RestController annotation in Spring Boot?	3	L1
7	What are props in React?	4	L1
8	Define React Hooks.	4	L1
9	In which types of applications is Node.js most frequently used?	5	L1
10	What are some distinctive features of Express?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Differentiate Framework, Technology and Languages. [4M] B) Explain CRUD operations in Hibernate. [6M]	1	L2
	OR		
12	Explain Core components of Hibernate Framework. [10M]	1	L2
13	A) Differentiate between Bean Factory and Application Context in spring. [5M] B) What is the difference between singleton and prototype bean? [5M]	2	L2
	OR		
14	Explain concept of Dependency Injection with its types. [10M]	2	L2
15	Explain Spring Boot Annotations with examples. [10M]	3	L2
	OR		
16	A) Difference between Spring MVC and Spring Boot. [5M] B) Explain Spring Boot Starters. [5M]	3	L2

17	A) Explain about dataflow in React. [5M] B) Write differences between ReactJs and React Native. [5M]	4	L2
	OR		
18	Explain about Working with forms in React. [10M]	4	L2
19	Explain different modules used in Node.js? [10M]	5	L2
	OR		
20	Explain Express Js Routing. [10M]	5	L2