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**Question Paper Code: 99241**

B.E./B.Tech. DEGREE EXAMINATION, NOV 2025

Elective

Computer Science and Engineering

19UCS941-FULLSTACK

(Régulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Define the term Scope in Angular JS. CO1-U
2. Justify whether the MVC framework support Scaffolding? CO1-U
3. Name the directives used in Angular JS. CO1-U
4. Analyze whether it is possible for a parent controller to access the methods and properties of the child controller. Justify your answer. CO3-Ana
5. Summarize about the indexes used in Mongo DB. CO1-U
6. Write an example to inspect the source code of a function. CO1-U
7. Compare and Contrast the functions used in the Frontend and Backend development? CO1-U
8. How the URL module works in Node JS? CO2-App
9. Define the term "Object ID". CO1-U
10. What is the need for using Mongo DB in the full stack development? CO2-App

PART – B (5 x 16= 80 Marks)

11. (a) Illustrate the concepts involved in the Angular Development Environment with some descriptive diagrams. CO2-App (16)

Or

- (b) Explain in detail about the Nested Components, Data Binding, Forms and Services in Angular JS. CO2-App (16)
12. (a) Explain the importance of Node Package Manager (NPM) and Modular Programming in Node JS CO1-U (16)  
Or  
(b) Discuss in detail about the Express Development Environment and Query Parameters in detail CO1-U (16)
13. (a) Explain the importance of Node Package Manager (NPM) and Modular Programming in Node JS CO1-U (16)  
Or  
(b) Discuss in detail about the Express Development Environment and Query Parameters in detail CO1-U (16)
14. (a) Summarize the importance of Routes and Middleware in JavaScript with an example CO1-U (16)  
Or  
(b) Discuss in detail about the CRUD Operations with an example Queries. CO1-U (16)
15. (a) Write a code for Class Monitoring System, Using Node JS and Mongo DB. CO1-U (16)  
Or  
(b) Write a code to develop an E-Commerce site for searching and reviewing the items to order. CO1-U (16)