

1. All questions are **compulsory**.
2. All questions carry **equal** marks.
3. Draw **neat, labelled diagrams** wherever necessary

Q.1 Attempt the following (Any Four)

[20 Marks]

- a. Write a short note on Package.json file.
- b. Explain with suitable example reading files from the I/O cycle.
- c. Write short note on Error Handling Techniques of Node.js.
- d. Write short note on MongoDB.
- e. Explain OR condition in MangoDB with suitable examples.
- f. Write a short note on HTTP status code.

Q.2 Attempt the following (Any Four)

[20 Marks]

- a. Explain Express Framework.
- b. Explain Routing and Rendering in Express.
- c. Explain List page with suitable example in Express.
- d. Explain the term Services Dependency Injection in Angularjs.
- e. Explain in detail the NgFor directive in Angularjs.
- f. How to update data in Angularjs.

Q.3 Attempt the following (Any Four)

[20 Marks]

- a. Write a short note on the Constructor.
- b. Write a short note on Flutter Image Widget?
- c. Write a short note on Abstract Class.
- d. Why to use Dart? Mention benefits of using Dart.
- e. Explain with suitable example Row and Column nesting.
- f. Write a short note on Card Widget.

Q.4 Attempt the following (Any Five)

[15 Marks]

- a. Explain the following methods in detail with suitable examples.
 - i. Find()
 - ii. Pretty()
 - iii. Update()
- b. Explain the term standard stream in detail.
- c. Write a program in Express to display 'Hello World'.
- d. What are the different types of validators in Anguarjs.
- e. Why to use Dart? Mention benefits of using Dart.
- f. Write a short note on the Icon widget.