Industry-Level Interview Questions and Answers for MERN Stack Developers (Fresher Focus)

1■■ **Core JavaScript**
- Difference between var, let, and const?
- Explain closures with an example.
- What is event bubbling and event delegation?
- Difference between synchronous and asynchronous?
- Explain `this` keyword.
- Promises and async-await?
- Difference between `==` and `===`?
- Hoisting?
- Arrow functions difference?
- Event loop working?

2■■ **React.js**
- Props and state?
- useEffect hook?
- Virtual DOM?
- Controlled vs uncontrolled components?
- React.memo?
- Context API?
- useMemo vs useCallback?
- Performance optimization?
- Prop drilling and solution?
- Error boundaries?

3■■ **Next.js**
- SSR, SSG, CSR difference?
- getStaticProps, getServerSideProps?
- Dynamic routing?
- API routing?
- Image optimization?
- ISR?
- Middleware?

4■■ **Node.js**
- Event-driven architecture?
- Express middleware?
- Handling multiple requests?
- process.nextTick() vs setImmediate()?
- JWT auth?
- File uploads?
- Streams?

5■■ **MongoDB**

- Collections/documents?
- MongoDB vs SQL?
- Indexing/aggregation?
- Schema design?
- find() vs findOne()?

6■■ **Project-Based Questions**
- Project architecture?
- Challenges faced?
- API security?
- Performance optimization?
- Improvement if rebuilt?

7■■ **CS Fundamentals**
- Process vs thread?
- ACID properties?
- TCP vs UDP?
- Deadlock?
- Indexing?
- DNS?

8■■ **HR/Behavioral**
- Tell me about yourself?
- Why hire you?
- Strengths/weaknesses?
- Failure story?
- 3-year goal?

■ Ab bas daily revise karo aur crack karo!