

501-01-Advanced Web Designing **Important Questions**

UNIT-1

- 1) What is NoSQL? Explain its features and advantages.
- 2) Explain MongoDB datatypes. (String, Integer, Boolean, Double, Arrays, Objects)
- 3) Explain MongoDB operators (Projection, update, limit (), sort ()) and aggregation commands.
- 4) What is collection in MongoDB? How to create and Drop Collection in MongoDB?
- 5) What is projection operators?
- 6) Explain MongoDB CRUD Operation with example. (Insert, update, delete, find, Query)

UNIT-2

- 1) What is React.js?
- 2) What is JSX?
- 3) What is components in React? Explain types of components of React with example?
- 4) How to pass data through Props in react?
- 5) Explain React Class Component in detail with example.
- 6) Explain component within component in react.
- 7) Explain react conditional Statements/ conditional rendering?
- 8) Explain react events. How to binding/adding events?
- 9) How to pass arguments to an event in React?
- 10) Explain react event object.

UNIT-3

- 1) How can forms be added and submitted in React JS?
- 2) Explain form handling method in react with example.

- 3) What is event handler? Explain `event.target.name` and `event.target.event`
- 4) Describe below listed components of form with example:
 - a. Textarea
 - b. Dropdown List
- 5) What is Hook in React? List and explain different **built-in** hooks in React. (`useState`, `useEffect`, `useContext`, `useRef`, `useReducer`, `useCallback`, `useMemo`)
- 6) How to create custom hook in React? Advantage of custom hook over built-in hooks.

UNIT-4

- 1) List and describe characteristics of Angular JS.
- 2) What is expression in Angular JS? Explain various expressions with example. (Numbers, Strings, Objects, Arrays)
- 3) Describe MVC architecture in detail.
- 4) List and describe various directives of angular JS.
- 5) What do you mean by Filter in Angular JS? Explain uppercase, lowercase, currency and orderby filter in Angular JS.
- 6) Explain Angular JS Controller with example.

UNIT-5

- 1) What is Single Page Application?
- 2) What do you mean by Module in Angular JS? How to create Modules in Angular JS.
- 3) What is `$RoutesProvider` Service?
- 4) What is HTML DOM Directives? (`ng-disabled`, `ng-show`, `ng-hide`, `ng-click`)
- 5) Explain Angular JS form validation.
- 6) Explain form with example.