

# React – Examination Paper 13-09

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## Part A – Multiple Choice Questions (1 Marks Each)

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### 1. What is React primarily used for?

- A) Backend development
  - B) Styling webpages
  - C) Building user interfaces
  - D) Database management
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### 2. React was developed by which company?

- A) Google
  - B) Facebook (Meta)
  - C) Microsoft
  - D) Twitter
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### 3. Why is React popular among developers?

- A) Because it is a backend framework
  - B) Because it provides a virtual DOM for faster UI updates
  - C) Because it is only used with PHP
  - D) Because it does not need JavaScript
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### 4. In which year was the first version of React released?

- A) 2010
  - B) 2011
  - C) 2013
  - D) 2015
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### 5. React 15 vs React 16: Which one introduced error boundaries?

- A) React 15
  - B) React 16
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**6. Which command is used to create a new React app with Create React App?**

- A) `npm install react-app`
  - B) `npx create-react-app my-app`
  - C) `npm start react`
  - D) `node create-react my-app`
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**7. Which of the following files is the main entry point of a React project?**

- A) `App.js`
  - B) `index.js`
  - C) `package.json`
  - D) `index.html`
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**8. In a React project created with CRA(Create React App), where do we usually write global CSS?**

- A) `App.js`
  - B) `index.css`
  - C) `server.js`
  - D) `node_modules`
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**9. Which command is used to run a React app locally?**

- A) `npm run dev`
  - B) `npm serve`
  - C) `npm start`
  - D) `npm run build`
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**10. Which command is commonly used to run a React project using Vite or Next.js locally?**

- A) `npm run dev`
  - B) `npm serve`
  - C) `npm start`
  - D) `npm run build`
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**11. Which of the following correctly uses an expression inside JSX?**

- A) `<h1>2 + 2</h1>`
- B) `<h1>{2 + 2}</h1>`

- C) `<h1> {2 + "2"} </h1>`
  - D) `<h1>(2 + 2)</h1>`
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## 12. How can we specify an attribute in JSX?

- A) ``
  - B) `<img source="logo.png" />`
  - C) `<img href="logo.png" />`
  - D) `<img url="logo.png" />`
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## 13. In React, children are:

- A) Data passed to the parent
  - B) Nested elements inside a component
  - C) Functions only
  - D) CSS properties
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## 14. Which JSX snippet correctly uses children?

- A) `<Welcome children="Hello" />`
  - B) `<Welcome>Hello</Welcome>`
  - C) `<Welcome child="Hello" />`
  - D) `<Welcome>{child}</Welcome>`
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## 15. What is the purpose of React Fragments?

- A) To return multiple elements without adding extra DOM nodes
  - B) To create CSS styles
  - C) To define a database schema
  - D) To debug the app
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## 16. Which syntax is correct for using a Fragment?

- A) `<div></div>`
  - B) `<></>`
  - C) `<fragment></fragment>`
  - D) `<frag></frag>`
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## 17. What is the purpose of `package.json` in a React project?

- A) Contains HTML code

- B) Manages project dependencies and scripts
  - C) Stores images
  - D) Runs the server automatically
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**18. Which folder should NOT be manually modified as it contains installed packages?**

- A) src
  - B) public
  - C) node\_modules
  - D) components
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## **Part B - Questions Answer (2 Marks Each)**

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**1. What is React?**

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## **Part C – Short Programming Questions (5 Marks Each)**

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**1. Write a React program to show your favorite number using JSX expressions.**

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**2. Create a simple React program using the `&&` operator to conditionally render "You are Logged In".**

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