

Started on	Monday, 16 June 2025, 4:10 PM
State	Finished
Completed on	Monday, 16 June 2025, 4:24 PM
Time taken	14 mins 35 secs
Marks	25.00/30.00
Grade	83.33 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Which hook should be used for handling complex state transitions?

- ☒ a. useReducer
- ☐ b. useRef
- ☐ c. useEffect
- ☐ d. useMemo

Question 2

Complete

Mark 1.00 out of 1.00

What does `calc(100% - 80px)` do?

- ☐ a. Multiplies values
- ☐ b. Adds 80 pixels
- ☒ c. Calculates width at runtime
- ☐ d. Breaks CSS

Question 3

Complete

Mark 1.00 out of 1.00

What's the correct way to forward refs?

- ☐ a. Using `useEffect`
- ☐ b. Using `bind()`
- ☐ c. Using `useRef`
- ☒ d. Using `React.forwardRef`

Question 4

Complete

Mark 0.00 out of 1.00

What is ::before in CSS?

- ☒ a. Adds pseudo-class
- ☐ b. Inserts content before the element
- ☐ c. Inserts content after the element
- ☐ d. Replaces parent element

Question 5

Complete

Mark 1.00 out of 1.00

What does React.lazy() do?

- ☐ a. Creates lazy hooks
- ☒ b. Enables lazy loading of components
- ☐ c. Lazily loads non-JS files
- ☐ d. Loads large DOM elements lazily

Question 6

Complete

Mark 0.00 out of 1.00

What is the output of this code?

```
const [count, setCount] = useState(0);  
setCount(count + 1);
```

- ☐ a. Sets count to 1
- ☒ b. Infinite re-render
- ☐ c. Nothing happens
- ☐ d. Throws error for infinite loop

Question 7

Complete

Mark 1.00 out of 1.00

What CSS property is used for grid layout?

- ☐ a. display: table
- ☒ b. display: grid
- ☐ c. grid-type
- ☐ d. float: grid

Question 8

Complete

Mark 0.00 out of 1.00

What does key prop do in React?

- ☐ a. It assigns event handlers
- ☒ b. It uniquely identifies elements in a list
- ☐ c. It helps in performance optimization
- ☐ d. Both B and C

Question 9

Complete

Mark 1.00 out of 1.00

How can you make a flex container's children wrap?

- ☐ a. flex-wrap: no-wrap;
- ☒ b. flex-wrap: wrap;
- ☐ c. display: wrap;
- ☐ d. wrap: flex;

Question 10

Complete

Mark 0.00 out of 1.00

Why should you avoid using indexes as keys in lists?

- ☒ a. It slows down rendering
- ☐ b. It breaks component identity on reordering
- ☐ c. It leads to memory leaks
- ☐ d. It's not supported in React

Question 11

Complete

Mark 1.00 out of 1.00

Which CSS method ensures responsiveness in font sizes?

- ☐ a. font-size: 14px
- ☐ b. font-size: bold
- ☐ c. font-size: em
- ☒ d. font-size: rem

Question 12

Complete

Mark 1.00 out of 1.00

What does em refer to in font sizing?

- ☐ a. Absolute pixels
- ☐ b. Height of the viewport
- ☐ c. Width of the screen
- ☒ d. Relative to parent element's font-size

Question 13

Complete

Mark 1.00 out of 1.00

Why would you use useMemo?

- ☐ a. To replace context
- ☐ b. To trigger animations
- ☒ c. To memoize expensive calculations
- ☐ d. To create hooks

Question 14

Complete

Mark 1.00 out of 1.00

What is PropTypes used for?

- ☐ a. Defining state
- ☒ b. Type checking component props
- ☐ c. Writing CSS in JS
- ☐ d. Passing default values

Question 15

Complete

Mark 1.00 out of 1.00

What is the difference between relative and absolute positioning?

- ☒ a. Relative positions to parent; absolute positions to nearest positioned ancestor
- ☐ b. Absolute is always fixed
- ☐ c. Relative moves with page scroll
- ☐ d. Absolute is responsive

Question 16

Complete

Mark 1.00 out of 1.00

What happens if useEffect returns a function?

- ☒ a. That function is a cleanup function called on unmount
- ☐ b. That function is used as the component's constructor
- ☐ c. React ignores it
- ☐ d. That function is executed immediately

Question 17

Complete

Mark 1.00 out of 1.00

What happens when you update a state variable using setState in a functional component?

- ☐ a. It throws a compile-time error
- ☒ b. It re-renders the component
- ☐ c. It prevents re-rendering
- ☐ d. It modifies state directly

Question 18

Complete

Mark 1.00 out of 1.00

Which hook is used to manage lifecycle behavior in functional components?

- ☐ a. useCallback
- ☐ b. useReducer
- ☒ c. useEffect
- ☐ d. useState

Question 19

Complete

Mark 1.00 out of 1.00

What is Server-Side Rendering (SSR) in React?

- ☐ a. Rendering JSX instead of HTML
- ☒ b. Rendering HTML on the server before sending to browser
- ☐ c. Rendering in CDN
- ☐ d. Rendering on mobile

Question 20

Complete

Mark 0.00 out of 1.00

Which of the following selectors has the highest specificity?

- ☐ a. .card
- ☒ b. *
- ☐ c. #card
- ☐ d. div.card

Question 21

Complete

Mark 1.00 out of 1.00

When is useEffect used instead of useLayoutEffect?

- ☒ a. For DOM mutations before paint
- ☐ b. For debugging
- ☐ c. For logging
- ☐ d. For performance tuning

Question 22

Complete

Mark 1.00 out of 1.00

What does the z-index property do?

- ☒ a. Determines stacking order
- ☐ b. Sets margin between elements
- ☐ c. Sets transparency
- ☐ d. Adjusts font

Question 23

Complete

Mark 1.00 out of 1.00

In a controlled component, form input value is managed by:

- ☐ a. DOM
- ☐ b. Component lifecycle
- ☐ c. useRef
- ☒ d. State

Question 24

Complete

Mark 1.00 out of 1.00

Which of the following is true about useEffect dependencies?

- ☒ a. An empty array runs effect only once
- ☐ b. Omitting dependencies disables the hook
- ☐ c. An empty array means effect runs every render
- ☐ d. All effects run after every keypress

Question 25

Complete

Mark 1.00 out of 1.00

What does useCallback hook return?

- ☒ a. A memoized callback function
- ☐ b. A memoized value
- ☐ c. A reference to the DOM element
- ☐ d. A mutable object

Question 26

Complete

Mark 1.00 out of 1.00

Which statement is correct about useRef?

- ☐ a. It handles errors
- ☒ b. It creates persistent mutable ref
- ☐ c. It triggers re-render on change
- ☐ d. It replaces useEffect

Question 27

Complete

Mark 1.00 out of 1.00

What is the purpose of React.memo?

- ☐ a. To deep clone a component
- ☐ b. To convert class components to functional components
- ☐ c. To trigger a useEffect hook
- ☒ d. To memoize functional components to avoid unnecessary re-renders

Question 28

Complete

Mark 1.00 out of 1.00

How do you handle global state in React?

- ☐ a. useEffect
- ☒ b. Context API
- ☐ c. Prop drilling
- ☐ d. React.memo

Question 29

Complete

Mark 1.00 out of 1.00

How can you prevent a flex item from growing?

- ☒ a. flex-grow: 0;
- ☐ b. display: none;
- ☐ c. flex-wrap: none;
- ☐ d. flex: grow;

Question 30

Complete

Mark 1.00 out of 1.00

What is JSX?

- ☐ a. A separate React templating engine
- ☐ b. A strict JavaScript parser
- ☒ c. A syntax extension for JavaScript
- ☐ d. An XML parser

