Started on	Monday, 16 June 2025, 4:10 PM
State	Finished
Completed on	Monday, 16 June 2025, 4:17 PM
Time taken	7 mins 13 secs
Marks	22.00/30.00
Grade	**73.33** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

When is useLayoutEffect used instead of useEffect?

- ○ a. For performance tuning
- ○ b. For debugging
- ◉ c. For DOM mutations before paint
- ○ d. For logging

Question 2

Complete

Mark 1.00 out of 1.00

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

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

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Question 3

Complete

Mark 0.00 out of 1.00

Which of the following selectors has the highest specificity?

- ○ a. .card
- ○ b. #card
- ○ c. div.card
- ◉ d. *

Question 4

Complete

Mark 1.00 out of 1.00

Which hook should be used for handling complex state transitions?

○ a.   useRef

○ b.   useEffect

◉ c.   useReducer

○ d.   useMemo

Question 5

Complete

Mark 0.00 out of 1.00

What is JSX?

○ a.   A separate React templating engine

○ b.   A syntax extension for JavaScript

○ c.   An XML parser

◉ d.   A strict JavaScript parser

Question 6

Complete

Mark 1.00 out of 1.00

What does em refer to in font sizing?

○ a.   Absolute pixels

◉ b.   Relative to parent element's font-size

○ c.   Width of the screen

○ d.   Height of the viewport

Question 7

Complete

Mark 0.00 out of 1.00

How do you handle global state in React?

◉ a.   Prop drilling

○ b.   useEffect

○ c.   React.memo

○ d.   Context API

Question 8

Complete

Mark 1.00 out of 1.00

Why should you avoid using indexes as keys in lists?

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

Question 9

Complete

Mark 1.00 out of 1.00

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

- ○ a.   display: wrap;
- ◉ b.   flex-wrap: wrap;
- ○ c.   wrap: flex;
- ○ d.   flex-wrap: no-wrap;

Question 10

Complete

Mark 1.00 out of 1.00

What is the purpose of React.memo?

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

Question 11

Complete

Mark 1.00 out of 1.00

What does React.lazy() do?

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

Question 12

Complete

Mark 0.00 out of 1.00

Which CSS method ensures responsiveness in font sizes?

- ○ a.   font-size: 14px
- ⦿ b.   font-size: bold
- ○ c.   font-size: rem
- ○ d.   font-size: em

Question 13

Complete

Mark 1.00 out of 1.00

What does the z-index property do?

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

Question 14

Complete

Mark 0.00 out of 1.00

Which of the following is true about useEffect dependencies?

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

Question 15

Complete

Mark 1.00 out of 1.00

What is the difference between relative and absolute positioning?

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

Question 16

Complete

Mark 0.00 out of 1.00

What is the output of this code?

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

setCount(count + 1);

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

Question 17

Complete

Mark 0.00 out of 1.00

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

- ◉ a.   useCallback
- ○ b.   useEffect
- ○ c.   useReducer
- ○ d.   useState

Question 18

Complete

Mark 1.00 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 19

Complete

Mark 1.00 out of 1.00

What happens if useEffect returns a function?

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

Question 20

Complete

Mark 0.00 out of 1.00

What's the correct way to forward refs?

○ a.   Using bind()

◉ b.   Using useRef

○ c.   Using useEffect

○ d.   Using React.forwardRef

Question 21

Complete

Mark 1.00 out of 1.00

How can you prevent a flex item from growing?

○ a.   flex: grow;

○ b.   flex-wrap: none;

○ c.   display: none;

◉ d.   flex-grow: 0;

Question 22

Complete

Mark 1.00 out of 1.00

What does useCallback hook return?

○ a.   A reference to the DOM element

○ b.   A memoized value

○ c.   A mutable object

◉ d.   A memoized callback function

Question 23

Complete

Mark 1.00 out of 1.00

Why would you use useMemo?

○ a.   To replace context

○ b.   To create hooks

◉ c.   To memoize expensive calculations

○ d.   To trigger animations

Question 24

Complete

Mark 1.00 out of 1.00

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

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

Question 25

Complete

Mark 1.00 out of 1.00

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

- ○ a. Component lifecycle
- ○ b. useRef
- ◉ c. State
- ○ d. DOM

Question 26

Complete

Mark 1.00 out of 1.00

Which statement is correct about useRef?

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

Question 27

Complete

Mark 1.00 out of 1.00

What is ::before in CSS?

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

Question 28

Complete

Mark 1.00 out of 1.00

What is PropTypes used for?

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

Question 29

Complete

Mark 1.00 out of 1.00

What CSS property is used for grid layout?

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

Question 30

Complete

Mark 1.00 out of 1.00

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

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