17690

BRAINWARE UNIVERSITY

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Brainware University
Barasat, Kolkata -700125

Term End Examination 2025-2026
Programme – MCA-2024
Course Name – Advance Web Development
Course Code - MCA37202B (T)
(Semester III)

Full Marks : 40 **Time : 2:0 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 10=10

1. *Choose the correct alternative from the following :*

(i) Predict the output of the JavaScript code, document.writeln("A B");

a) A B b) AB
c) BA d) A\nB

(ii) What the alert() method returns in JavaScrpt?

a) 1 b) Undefined
c) -1 d) NULL

(iii) What will be the output of the code - let text = 's'; document.writeln(text.length);.

a) 0 b) 1
c) 2 d) 3

(iv) What will be the output of the following JavaScript code? function height() { var height = 123.56; var type = (height > =190) ? "tall" : "short"; return type; }

a) short b) 123.56
c) tall d) 190

(v) What will be the result or type of error if p is not defined in the following JavaScript code snippet? console.log(p)

a) Value not found Error b) Reference Error
c) Null d) Zero

(vi) Which handler is triggered when the content of the document in the window is stable and ready for manipulation?

a) manipulate b) create
c) onload d) onkeypress

(vii) Which of the following is not an error in JavaScript?

a) Missing of Bracket b) Division by zero
c) Syntax error d) let var=10;

(viii) Which of the following is used to display the UI in React?

a) view() b) render()

c) display() d) show()

(ix) Which of the following is used to update the state in functional components?

a) state.update() b) useState()
c) setState() d) changeState()

(x) Which of the following tools can be used to create REST APIs with PHP?

a) Axios b) Laravel or core PHP
c) Webpack d) React DevTools

Group-B

(Short Answer Type Questions) 3 x 5=15

2. Write a css class with the following properties and also use the class with a div – height=200 pixel, width=45%, background color=0x3F4, text color=red, float=left, top and bottom margin = 10, left marging=5, all padding =3. (3)
3. Show how to define and use a state variable using React hooks. (3)
4. Show how to embed a JavaScript variable into JSX. (3)
5. What are the benefits of using Bootstrap for form creation? (3)
6. Describe what is the importance of arrays in web-based scripting. (3)

OR

Describe why do we use functions in JavaScript. (3)

Group-C

(Long Answer Type Questions) 5 x 3=15

7. Compare class-based and functional components in React with basic syntax examples. (5)
8. Input a number using prompt in simple JavaScript. Find the factors of the number and print all the factors in a list using JavaScript code. (5)
9. Build a simple React app that displays user list fetched from MySQL via a PHP API. (5)

OR

Find the prime numbers from the array [5,10,13,15,16,20,21,23,87,89] using JavaScript and display them in console. (5)

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