

**Jaypee University of Engineering & Technology, Guna****T-2 (Odd Semester 2022)****21B14CI742 – Full Stack Development**

Maximum Duration: 1 Hour 30 Minutes

Maximum Marks: 25

**Notes:**

1. This question paper has 3 questions.
2. Write relevant answers only.
3. Do not write anything on question paper (Except Er. No.)

**Marks****CO  
Number(s)  
as per  
course  
description  
CO1****[05]****Q1.**

In the following CSS embedded HTML5 program, you have to identify the colour that will be applied to the statements encoded from (1) to (5). Just write the code followed by colour as your answer.

`<!DOCTYPE html>``<html>``<head>``<style>``p>i {``color:blue``}``div+p{``color:red``}``span~p{``color:green``}``</style>``</head>``<body>``<i>Hello I'm inside body only. </i>``<p> <i>Hi I'm inside p which is inside body </i>`  $\Rightarrow$  (1)✓

`<div> <i>What did you say? </i></div>`  $\longrightarrow$  (2) ✓  
`</p>`

`<div>`  
`<p>Hello I'm Inside div.</p>`  $\longrightarrow$  (3) ✓

`</div>`  
`<p> I am outside div</p>`  $\longrightarrow$  (4) ✓

`<span>`  
`<p> Inside span</p>`  
`</span>`  
`<p>outside span</p>`  
`<p>Second instance of p outside span</p>`  $\longrightarrow$  (5) ✓ G.R.  
`</body>`  
`</html>`

Q2.

Read the following statements in context of JavaScript:

[10]

CO4

- (i) A function that is a property of an object is called its method. T
- (ii) Hoisting is a behavior of JavaScript in which variables and function declarations move to the top of their scope. T
- (iii) Variables without var, let, and const are always global scoped. F
- (iv) JavaScript is a single-threaded and event-driven programming language. T
- (v) `<script>...</script>` tags may sit either inside `<body>...</body>` or `<head>...</head>` tags. F

Mark each of the aforementioned statements as 'True' or 'False' and then write a short commentary (about 150 words) about the JavaScript topics touched in that statement.

Q3.

Suppose you invited some guests in your birthday bash, but the number of guests that would actually arrive to wish you were way more than you had made arrangements for. You will be in a tricky situation, right? Relate the presented real-life context with passing arguments in JavaScript functions and report at least two means through which we can manage a way out.

[10]

CO3

Sol-3 Arguments array  
 Spread & Rest operator