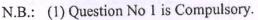
COMP

SEM:V

SUB:-(IP) R-2019-20 'C' SCHEME

DATE:- 13.06.25

Duration: 3hrs Max Marks: 80



- (2) Attempt any three questions out of the remaining five.
- (3) All questions carry equal marks.
- (4) Assume suitable data, if required and state it clearly.



1 Attempt any FOUR [20]

a What is the difference between PHP and Java Script?

- b Design a basic registration form that contains fields such as First Name, Last name, Mobile No, Email Id and address. Write java script code for validation of the same?
- c What are the characteristics of Rich Internet Application?
- d Discuss any two validation functions in Java Script?
- e What is React JS? Explain React components?
- 2 a Explain the concept of AJAX and how it differs from traditional web [10] development approaches?
 - b How does PHP handle session tracking and user authentication? Provide an [10] example of a login system using PHP and MySQL?
- a Develop the CSS code to apply the following styles to the paragraph below the [10] specified heading:
 - · Utilize a yellow text color

and exchanged in web applications?

- Set the font size to 25px
- Apply a bold font style

 Examine the concept of JSON by inspecting its structure and function, and categorize its usage with an example that demonstrates how data is represented
- 4 a Create an HTML page that displays the message "Responsive Design in Action." [10]
 Write a media query that changes the background color to light blue when the browser window is 500px wide or less, and otherwise keeps the background color as white?
 - b What is the purpose of using regular expressions in JavaScript? How can regular expressions be utilized to validate email addresses, and how would you incorporate JSON in the process?
- 5 a Explain the differences between the HTTP GET and POST methods and [10] evaluate their appropriate usage scenarios with practical examples?
 - b Write a PHP program that tests whether an email address is input correctly. Test [10] your program with both valid and invalid email addresses?
- 6 a Construct a JavaScript function that returns the Fibonacci sequence up to a given [10] number, utilizing memorization for optimized performance?
 - b Describe the role of JSX (JavaScript XML) in React. How does JSX help simplify the development of the user interface for your task management application?
