R20

Code No: R20A0515

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, June/July 2024

Scripting Languages

(CSE & CSE-AIML)

Roll No										

Time: 3 hours **Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

***

SECTION-I

1	***A***	Define a JavaScript function that accepts parameters and returns a value. Illustrate its use with an example and discuss the importance of functions in modular programming.	**[7M]**
	B	Write and explain a JavaScript if-else statement. Provide an example demonstrating the use of multiple conditions within a single statement.	**[7M]**
		OR	
2	***A***	Explain the concept of objects in JavaScript. Provide examples of how objects are created and used, and discuss the advantages of using objects in programming.	**[7M]**
	B	Explore the various types of operators in JavaScript (arithmetic, comparison, logical). Provide examples for each type and discuss their applications.	**[7M]**

SECTION-II

3	***A***	Explain the purpose of window events in JavaScript. Provide examples of window events and discuss how they can be applied to create dynamic and responsive web pages.	**[7M]**
	B	Describe the significance of form events in JavaScript. Provide examples of form events and explain how they are commonly used in web forms to improve user interaction.	**[7M]**
		OR	
4	***A***	Discuss the role of keyboard events in JavaScript. Provide examples of handling keyboard events and explain how they can be utilized to create a better user experience.	**[7M]**
	B	Discuss the Form object in JavaScript. Explain how the Form object can be used to access and manipulate form elements. Provide examples of common operations performed using the Form object.	**[7M]**

SECTION-III

5	***A***	Discuss the importance of built-in functions in PERL. Provide examples of commonly used functions and explain how they simplify tasks such as input/output, string manipulation, and data processing	**[7M]**
	B	Discuss the significance of regular expressions in PERL. Provide examples of pattern matching using regular expressions and explain how they contribute to effective string processing.	**[7M]**
		OR	
6	***A***	Explain how strings are handled in PERL. Provide examples of string manipulation, concatenation, and interpolation. Discuss the importance of	**[7M]**

handling text data effectively.

	B	Discuss the concept of lists in PERL. Provide examples of list operations and explain how lists differ from arrays. Discuss situations where using lists is advantageous.	**[7M]**

SECTION-IV

7	***A***	Differentiate between indexed and associative arrays in PHP. Provide examples of each type and explain when to use one over the other.	**[7M]**
	B	Explain the concept of scalars in PHP. Provide examples of scalar variables and discuss the importance of variable naming conventions	**[7M]**
		OR	
8	***A***	Enumerate and explain different types of operators in PHP (arithmetic, relational, logical). Provide examples of each type and discuss their applications in programming	**[7M]**
	B	Discuss the various conditional statements in PHP (if, else if, else). Provide examples of using these statements and explain how they contribute to controlling the flow of a program.	**[7M]**

SECTION-V

9	***A***	Explain the purpose of modules in Ruby. Provide examples of creating and using modules and discuss how they facilitate code organization and reuse.	**[7M]**
	B	Discuss the concept of arrays in Ruby. Provide examples of array operations and discuss their importance in managing collections of data	**[7M]**
		OR	
10	***A***	Discuss the role of blocks in Ruby. Provide examples of using blocks and explain how they enhance code readability and maintainability.	**[7M]**
	B	Explain the concept of methods in Ruby. Provide examples of creating methods with and without parameters and discuss the advantages of using methods in programming.	**[7M]**

***