[3 hrs] **[80 Marks]**

Note : 1. Question 1 is compulsory
2. Answer any three out of remaining question

Q1	Solve any 4	
a)	Explain the features of HTML5.	5
b)	How Bootstrap helps in faster development of web applications?	5
c)	Write a simple HTML program that demonstrates the use of Lists.	5
d)	Write a simple PHP program which accepts a number from user and print factorial of it.	5
e)	What are Javascript Objects. List down important built-in objects and browser objects with their purpose.	5
Q2		
a)	What is client side scripting? Write the Javascript that accepts two numbers and display the summation of them.	10
b)	Write HTML code and apply the styles to following by using CSS stylesheet. i. The web page will have the background color as blue. ii. The header h1 is underlined. iii. Paragraphs with font color as red, font size as 18px. iv. The table with border 1px, text alignment to left and padding 5px.	10
Q3		
a)	Create a HTML user registration form for a e-shopping website with at least Username, Password, Email, Address, Field of interest and Gender from user by using different form controls. Write Javascript to validate the data as follows: The Username, Password, Email, Address should not be blank. Password should not be less than 6 characters. Valid email-id (with '@' and '.')	10
b)	Explain different database relationships in Laravel framework.	10
Q4		
a)	How do you connect to database server in PHP? Explain with the suitable example.	10
b)	Describe various features of ReactJs? Explain state and props in ReactJs with suitable example.	10
Q5		
a)	Explain how session management technique in PHP. Write PHP program that create and access session variables.	10
b)	What are the advantages of using Bootstrap? Explain the grid classes in Bootstrap.	10
Q6		
a)	Describe HTML 5 Media elements with the help of sample program.	10
b)	Elaborate MVC architecture and its advantages. What is Laravel?	10

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