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Code No. : 16136 H

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. VI-Semester Main & Backlog Examinations, June-2022

Introduction to Web Application Development (OE-IV)

Time: 3 hours

Max. Marks: 60

Note: Answer all questions from Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

Q. No.	Stem of the question	M	L	CO	PO
1.	Why HTTP is called state less protocol?	2	1	1	1
2.	What are the different kinds of Doctypes available in HTML?	2	1	1	1
3.	In JavaScript, show the difference between “ = “ and “ == “ operators using an example.	2	2	2	1
4.	What is the use of a constructor function in JavaScript?	2	1	2	1
5.	a) How can you compare objects in PHP? b) What is the purpose of @ in PHP?	2	2	3	1
6.	In PHP, differentiate the following: a) \$message and \$\$message. b) include() and require() functions	2	2	3	1
7.	a) How can you embed PHP code in an HTML page? b) What are 'Traits'?	2	2	4	1
8.	Can Class Properties be Abstract? Justify your answer.	2	2	4	1
9.	How is a PHP script tested?	2	2	5	1
10.	What is a partial view in MVC?	2	1	5	1
Part-B (5 × 8 = 40 Marks)					
11. a)	How can you integrate CSS on a web page? Discuss various methods with suitable example.	4	1	1	1
b)	How does a Web Browser work? Describe the steps involved when a web browser requests for and obtains a web page from a web server.	4	1	1	1
12. a)	Explain different methods of iteration in JavaScript through an example.	4	2	2	1
b)	Write an example for JavaScript form validation. If a form field is empty, it alerts a message, and returns false, to prevent the form from being submitted	4	3	2	2

13. a)	Write a PHP script to define a function to sort an array of numbers.	4	3	3	2
b)	How do you create a file in PHP? Write PHP script for reading a file and writing into another file.	4	3	3	2
14. a)	What is a Constructor? Write a PHP script to define a class with default and parameterized constructors.	4	3	4	1
b)	Establish a DBMS connection using PHP and illustrate basic SQL queries to create a table and insert data into it.(You can consider your own table for illustration)	4	3	4	1
15. a)	List and explain various ways to Pass Data From Controller to View in MVC.	4	2	5	1
b)	What do you understand by the term 'Deployment of web applications'? Discuss some deployment methods.	4	2	5	1
16. a)	Write an HTML document to display details of three students in the form of a table.	4	3	1	2
b)	In how many ways a JavaScript code can be involved in an HTML file? Explain with suitable example.	4	2	2	1
17.	Answer any <i>two</i> of the following:				
a)	Write PHP script for the following tasks: <ul style="list-style-type: none"> • To read a file line by line • To read a file in limited size • To read the HTML content in a file. 	4	3	3	2
b)	How many types of filtering are present in PHP? Write PHP script to remove all HTML tags from a string.	4	3	4	2
c)	What is the role of components Presentation, Abstraction, and Control in MVC? Explain with an example.	4	2	5	1

M : Marks; L: Bloom's Taxonomy Level; CO; Course Outcome; PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	20%
ii)	Blooms Taxonomy Level – 2	40%
iii)	Blooms Taxonomy Level – 3 & 4	40%
