END SEMESTER EXAMINATION - OCTOBER 2024
SEMESTER 5 : INTEGRATED M.Sc. PROGRAMME COMPUTER SCIENCE
COURSE : **21UP5CRMCP15 : WEB APPLICATION DEVELOPMENT USING PHP**
(For Regular 2022 Admission and Supplementary 2021 Admissions)

Time : Three Hours   Max. Weightage : 30

PART A
Answer any 8

1. Find error(s) in the following JavaScript code:
```javascript
function outer() {
  var x = 10;
  function inner() {
    var y = 20;
    console.log(x + y);
  }
  inner();
}
outer();
console.log(x);
```

2. List the attribute values for the attribute `text-align`.

3. Write an example of a multiline string variable assignment.

4. Find the value of the variable `$total` after the end of the loop:
```php
$total = 0;
for ($i = 1; $i <= 5; $i++) {
  if ($i % 2 == 0) {
    continue; }
  $total += $i;
}
```

5. State the use of `$.map` method in jQuery.

6. State the use of `static` keyword in PHP.

7. State the use of `noConflict()` in jQuery.

8. Define the term session in the context of web application.

9. Name the HTML tag attribute that is used to directly embed a style into an element.

10. List any two form attributes.

(1 x 8 = 8 Weight)

PART B
Answer any 6

11. Differentiate between `echo` and `print` statements in PHP with an example for each.

12. Differentiate between a numeric array and an associative array with an example.

13. With an example, explain the `$.each` method in jQuery.

14. Explain how the combination of selectors are used in styling web pages.

15. Differentiate between get and post methods in form handling with an example.

16. With an example, discuss the use of prototype keyword in JavaScript.

17. Differentiate between include and require statements in PHP, with an example.

18. Explain how local and global variables are used and accessed in JavaScript.

(2 x 6 = 12 Weight)

PART C
Answer any 2

19. List and explain any 5 built-in array functions in PHP. Write a sample code illustrating the same.

20. Elaborate on the various positioning styles of HTML tags using CSS.

21. With the syntax and an example, explain the looping statements in PHP.

22. Elaborate on how various elements in the DOM hierarchy are traversed by jQuery. Illustrate, showing relevant examples for each.

(5 x 2 = 10 Weight)