END SEMESTER EXAMINATION : NOVEMBER 2023
SEMESTER 5 : INTEGRATED M.Sc. PROGRAMME COMPUTER SCIENCE
COURSE : **21UP5CRMCP15 : WEB APPLICATION DEVELOPMENT USING PHP**

(For Regular - 2021 Admission)

Time : Three Hours   Max. Weightage: 30

PART A
Answer any 8

1. In the style `.sel{ width:20ex; }` , state what does "ex" indicate.
2. If a form has to offer three choices to a user, each of which is mutually exclusive so that only one of the three can be selected, identify which input type would be used?
3. If `$conn` is a variable that stores the connection, write the code that terminates the connection with MySQL database.
4. Define the term 'event' in the context of web programming.
5. State the main difference between a descendent selector and a child selector.
6. State the use of `$.map` method in jQuery.
7. Find the value of the variable `$total` after the end of the loop:
```
$total = 0;
for ($i = 1; $i <= 5; $i++) {
  if ($i % 2 == 0) {
    continue; }
  $total += $i;
}
```
8. List any four predefined constants in PHP.
9. Write an example of a multiline string variable assignment.
10. Name a way to return multiple values from a function.

(1 x 8 = 8 Weight)

PART B
Answer any 6

11. Define Pseudoclasses. Explain its significance with an example.
12. List the rules of defining variables in PHP.
13. Explain how the combination of selectors are used by jQuery in event handling. Create a sample HTML file illustrating the same.
14. With an example, explain how JavaScript files can be included externally.
15. With an example for each, differentiate between `break` and `continue` statements.
16. Write the sample code to create a MySQL table using PHP code.
17. Write PHP code to update the "email" column in a "users" table where the "username" is "john" to "john@example.com".
18. JavaScript can be used to access HTML elements and modify them. Justify this statement with an example.

(2 x 6 = 12 Weight)

PART C
Answer any 2

19. Elaborate on the various measurement units supported by CSS, with an example.

20. Differentiate between passing function arguments by copy and by reference. Also explain how functions can be dynamically accessed.

21. With an example for each, explain how the click and double click events are triggered using jQuery.

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

(5 x 2 = 10 Weight)