Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐

S. No. of Question Paper : 7178

Unique Paper Code : 32343406   **HC**

Name of the Paper : **PHP Programming**

Name of the Course : **B.Sc. (H) Computer Science : SEC**

Semester : **IV**

Duration : **2 Hours**   Maximum Marks : **25**

(Write your Roll No. on the top immediately on receipt of this question paper.)

Section A is compulsory.

Parts of a question must be answered together.

Attempt any *three* questions from Section B.

All questions in Section B carry equal marks.

Section A

1.   (*a*)   Differentiate between the require_once() and include_once() functions with suitable examples.   2

     (*b*)   Are the operators "&&" and "*and*" interchangeable ? Give examples to support the answer.   1

   (*b*)   Given \$a=10 \$b='10' \$c ='a'

     Evaluate the following, justifying your answers :

     (*i*)   \$a= =\$b and \$a= = =\$b

     (*ii*)   \$a != \$b and \$a !== \$b

     (*iii*)   \$c and \$\$c

5.   Write a PHP function createtable() that does the following :   5

   (*a*)   Take the size of the table from the user, say *n*

   (*b*)   Dynamically generate an $n \times n$ HTML table where each cell displays the product of the indices of the cell (*i.e.*, the (i, j) cells shows $i*j$).

6.   (*a*)   Write a PHP function to take user input for an array with 10 numeric items and sort it using bubble sort.   3+2

   (*b*)   Describe the working of the following functions with examples :

     (*i*)   nl2br()

     (*ii*)   strrchr()

(c) Diagrammatically explain the request/response sequence in the client/server environment. 2

(d) What will be the output of the following code 1

```php
<?php

    $x = True and False;

    var_export($x);

?>
```

(e) What is the difference between the echo and print commands ? 1

(f) What is a binary safe function in PHP ? Explain with an example. 2

(g) What are superglobal variables ? Where are they used ? 1

Section B

2. (a) Describe the HTTP Request Methods : GET and POST highlighting the difference between the two. 2+3

(b) Write a PHP script to create and retrieve a cookie.

3. (a) Define an associative array with the help of an example.

2+1+2

(b) Give the syntax to set PHP's internal pointer back to the first element of the array.

(c) Give the output of the following :

```html
<html>

<head>

<title> Question 3 c</title>

</head>

<body>

<?php

    $classes = array ("BSc", "MSc", "PhD");

    echo (next($classes));

    echo (next($classes));

?>

</body>

</html>
```

4. (a) Write a command to validate whether a string is alphanumeric or not, using either preg_match() or regex.

2+3