



RAN-2511001105010001

B.Sc. (IT) (NEP)(Sem. - V) Examination November - 2025

Web Development using PHP : Major - I (Paper - 501)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book	Seat No.: <table border="1" style="width: 100%;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> Student's Signature						

Q. 1 [A] Explain the following functions. [Any Five]

05

- 1) current()
- 2) copy()
- 3) list()
- 4) in_array()
- 5) urlencode()
- 6) sort()

Q. 1 [B] Answer following questions in short [Any Five]

05

- 1) What is the full form of PHP?
- 2) What is the use of models in MVC?
- 3) How to close mysql connection?
- 4) What will be output of `echo 10. 20;` PHP?
- 5) How to declare a variable in PHP?
- 6) Which PHP function is used to find the length of a string?

Q. 2 [A] Answer the following questions in detail [Any Two]

10

- 1) Analyze the different data types supported by PHP with examples.
- 2) Explain the concept of classes and objects in PHP with syntax and example.
- 3) Describe how date and time can be handled in PHP using built-in functions.

Q.2 [B] Answer the following questions in brief [Any Two]

06

- 1) Explain how to retrieve and validate form data submitted using the POST method.
- 2) Define a session in PHP. How is it different from a cookie?
- 3) What is Cross-Site Scripting (XSS)? How can it be prevented in PHP applications?

Q. 3 [A] Answer the following questions in detail [Any Two]

10

- 1) Compare MySQLi and PDO in PHP in terms of features, flexibility, and security.
- 2) Explain SQL injection attack and the ways to prevent it.
- 3) Describe how PHP can handle errors and exceptions during query execution.

- Q.3 [B] Answer the following questions in brief [Any Two] 06**
- 1) Write PHP code to implement simple REST API endpoints for GET and POST operations.
 - 2) Write PHP code to upload a file from a form and validate its type and size.
 - 3) Develop a PHP program to parse XML data and display them on a webpage.
- Q.4 [A] Develop a php program to resize a jpeg image. 05**
- OR**
- Develop a Laravel application to display an array.
- Q.4 [B] Explain AJAX. Analyze use cases of AJAX in a web application. 03**
- OR**
- Write a note on version control systems.
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