

RAN-2511001105010001

B. Sc. (IT) NEP (Sem. - V) Examination February - 2026
Web Development using PHP (Paper - 501)

Time: 2 Hours]
[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દશવિધ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book	Seat No.: <table border="1" style="width: 100%; height: 30px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> Student's Signature						

Q. 1. [A] Explain the following functions. [Any Five] [5]

- 1) array_keys()
- 2) exit()
- 3) sizeof()
- 4) json_encode()
- 5) unset()
- 6) htmlentities()

Q. 1. [B] Answer following questions in short [Any Five] [5]

- 1) What does isset() function do in PHP?
- 2) Which operator is used for string concatenation in PHP?
- 3) Which function is used to get the type of a variable?
- 4) What function is used to destroy a session in PHP?
- 5) What is the difference between include and require?
- 6) How do you create a reference to a variable in PHP?

Q. 2. [A] Answer the following questions in detail [Any Two] [10]

- 1) Explain the concept of variable scope in PHP (local, global, static) with examples.
- 2) Discuss constructors and destructors in PHP classes with suitable examples.
- 3) Explain the use of string manipulation functions in PHP with suitable examples.

Q. 2. [B] Answer the following questions in brief [Any Two] [6]

- 1) What are the advantages and disadvantages of using the GET method in PHP forms?
- 2) Write PHP code to start a session and store a user's login information.
- 3) Define REST API. Explain how PHP can be used to create RESTful endpoints in PHP.

Q. 3. [A] Answer the following questions in detail [Any Two] [10]

- 1) Discuss how you can secure PHP sessions from session hijacking.
- 2) Explain the importance of \$_FILES super global in PHP file uploading.
- 3) What is Laravel? Explain its architecture. Differentiate it with core PHP.

- Q. 3 [B] Answer the following questions in brief [Any Two] [6]**
- 1) List and explain git commands.
 - 2) How to manage external dependencies in PHP application?
 - 3) Analyze the use of jQuery in a web application.
- Q. 4 [A] Develop a PHP program for CAPTCHA creation and validation in a form. [5]**
- OR**
- Q. 4 (A) Explain \$.ajax() in jQuery with example.**
- Q. 4 (B) Develop a PHP program for displaying directory entries. [3]**
- OR**
- Q. 4 (B) Explain \$_SERVER super global array with its important variables.**
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