

**ગુજરાત વિદ્યાપીઠ : અમદાવાદ**  
**માહિતી, પ્રત્યાયન અને પ્રૌદ્યોગિકી વિદ્યાશાખા**  
**કમ્પ્યુટર વિજ્ઞાન વિભાગ**  
**બેચલર ઓફ કમ્પ્યુટર એપ્લિકેશન (B.C.A.), સત્ર - ૪**  
**વસંત પંચમી સત્રાંત પરીક્ષા : મે -2025**  
**Major : BCSCMJ402T : Web Application Development**

પરીક્ષાર્થી ક્રમાંક

તિ. : 02/05/2025

સમય : 08-00 થી 10-30

વાર : શુક્રવાર

કુલગુણ : 60

**લર્નિંગ આઉટકમ**

1. Describe the fundamental and advanced concepts of Web Development.
2. To acquire knowledge and skills for creation of web sites considering both client and server-side programming.
3. Learn the request/response cycle, including GET/POST.
4. Describe the fundamental and advanced concepts of PHP
5. Learn the different state/session management techniques.
6. Able to build dynamic web applications with MySQL database connections.

**Q-1 (A) Answer the followings (Any 5 out of 6)**

**05**

1. What is a website? ( website શું છે?)  
A) A single file on the internet      B) A collection of related web pages under a single domain  
C) An image posted online      D) A mobile application
2. Which of the following is an example of a static webpage?  
(નીચેનામાંથી કયું સ્ટેટિક વેબપેજનું ઉદાહરણ છે?)  
A) Weather report page updating every second      B) Blog page showing same content to all users  
C) A social media feed      D) An online quiz portal
3. Which language is used for client-side scripting?  
(ક્લાયન્ટ-સાઇડ સ્ક્રિપ્ટિંગ માટે કઈ ભાષાનો ઉપયોગ થાય છે?)  
A) PHP    B) Python      C) JavaScript      D) SQL
4. Open-source software is: (Open-source software શું છે?)  
A) Paid software with hidden code    B) Software with source code available for modification  
C) Software without source code    D) None of the above
5. How do you embed PHP in an HTML file? (HTML ફાઇલમાં PHP કેવી રીતે એમ્બેડ કરવું?)  
A) <php> code </php>    B) <?php code ?>    C) <script> code </script>    D) {{ code }}
6. Which operator is used for concatenation in PHP?  
(PHP માં જોડાણ માટે કયા ઓપરેટરનો ઉપયોગ થાય છે?)  
A) +      B) .      C) &      D) #

**Q-1 (B) Short Answer Questions (Any 2 out of 3)**

**04**

1. What is the difference between a webpage and a website? (તફાવત લખો)
2. Mention two differences between client-side and server-side scripting. (તફાવત લખો)
3. Define static and dynamic webpage's with one example each.  
(એક-એક ઉદાહરણ આપીને સ્ટેટિક અને ડાયનેમિક વેબપેજ વ્યાખ્યાયિત કરો.)

**Q-1 (C) Explain in detail. (Any 1 out of 2)****06**

1. Write a short PHP program that uses global and static variables. Explain the output.  
(ગ્લોબલ અને સ્ટેટિક વેરીએબલનો ઉપયોગ કરતો એક નાનો PHP પ્રોગ્રામ લખો. આઉટપુટ સમજાવો.)
2. Explain PHP data types and operators with examples.  
(PHP ડેટા પ્રકારો અને ઓપરેટરોને ઉદાહરણો સાથે સમજાવો.)

**Q-2 (A) Answer the followings (Any 5 out of 6)****05**

1. What is the syntax of the ternary operator in PHP? (ternary operatorની syntax લખો.)  
A) condition ? true : false;      B) condition : true ? false;  
C) ? condition : true : false;      D) condition ? : true false;
2. How do you define an associative array in PHP? (PHP માં તમે એસોસિએટીવ એરે કેવી રીતે વ્યાખ્યાયિત કરશો?)  
A) array("A", "B")      B) array(1 => "A", 2 => "B")  
C) array("name" => "John", "age" => 25)      D) array["A", "B"]
3. Which loop is commonly used to iterate over an array? (એરે પર પુનરાવર્તન કરવા માટે સામાન્ય રીતે કયા લૂપનો ઉપયોગ થાય છે?)  
A) for    B) while    C) do...while      D) foreach
4. Which PHP function is used to immediately end the script? (સ્ક્રિપ્ટને તાત્કાલિક સમાપ્ત કરવા માટે કયા PHP ફંક્શનનો ઉપયોગ થાય છે?)  
A) stop()      B) exit()      C) return()      D) break()
5. Difference between include and require: (include and require વચ્ચેનો તફાવત)  
A) require throws error on failure, include doesn't      B) Both behave the same  
C) include is faster      D) require is optional
6. What will array\_push(\$arr, "PHP") do? (array\_push શું કરે છે?)  
A) Remove "PHP" from array      B) Replace first element  
C) Add "PHP" to the end of the array      D) Add "PHP" to the beginning

**Q-2 (B) Short Answer Questions (Any 2 out of 3)****04**

1. What is the difference between `include` and `require`? (તફાવત લખો)
2. What is the difference between `while` and `do...while` loop? (તફાવત લખો)
3. Name two array functions in PHP and their uses. (PHP માં બે એરે ફંક્શન અને તેમના ઉપયોગોના નામ આપો.)

**Q-2 (C) Explain in detail. (Any 1 out of 2)****06**

1. Create a PHP script that loops through a multidimensional array using `foreach`.
2. Explain indexed, associative, and multidimensional arrays with examples.

**Q-3 (A) Answer the followings (Any 5 out of 6 )****05**

1. Which attribute of the <form> tag specifies where to send the form data?  
A) method      B) action      C) target      D) submit
2. What does the method="GET" do in a form?  
A) Hides form data      B) Sends form data via URL  
C) Encrypts data      D) None of the above
3. What is a session in PHP used for? ( session નો use શું છે?)  
A) File upload      B) Store data temporarily between page loads  
C) Store HTML      D) Validate email
4. What is a cookie in web development? ( web development ની અંદર cookie શું છે)  
A) A browser plugin      B) A small file stored on the server  
C) A small piece of data stored on the client-side      D) A variable in PHP
5. How do you delete a session variable in PHP? ( session variable delete કઈ રીતે થશે.)  
A) remove()      B) unset(\$\_SESSION['name'])  
C) delete(\$\_SESSION['name'])      D) \$\_SESSION['name'] = null
6. Which function is used to execute a query in MySQLi (procedural)? ( execute a query માટેનું function)  
A) mysqli\_query()      B) mysql\_execute()      C) db\_query()      D) query\_mysql()

**Q-3 (B) Explain in detail. (Any 2 out of 3)****04**

1. What is the difference between GET and POST methods? (તફાવત લખો)
2. What is the difference between a cookie and a session? (તફાવત લખો)
3. How can you delete a session variable? with example.  
(તમે સત્ર ચલ કેવી રીતે કાઢી શકો છો? ઉદાહરણ સાથે)

**Q-3 (C) Explain in detail. (Any 1 out of 2)****06**

1. Explain how to set, retrieve, and delete cookies in PHP with examples.
2. Write a PHP script to connect to a MySQL database and insert form data into a table.

**Q-4 (A) Answer the followings (Any 5 out of 6)****05**

1. Which superglobal is used to handle file uploads in PHP? (PHP માં ફાઇલ અપલોડ્સને હેન્ડલ કરવા માટે કયા સુપરગ્લોબલનો ઉપયોગ થાય છે?)  
A) \$\_POST      B) \$\_FILES      C) \$\_UPLOAD      D) \$\_GET
2. What should be the enctype attribute of a form for file upload? (ફાઇલ અપલોડ માટે ફોર્મનો enctype એટ્રીબ્યુટ શું હોવો જોઈએ?)  
A) application/x-www-form-urlencoded      B) multipart/form-data  
C) text/plain      D) application/form-data
3. To find the HTTP host name used in the request, use: (વિનંતીમાં વપરાયેલ HTTP હોસ્ટ નામ શોધવા માટે, શેનો ઉપયોગ કરો)  
A) \$\_SERVER['HTTP\_NAME']      B) \$\_SERVER['HOST\_NAME']  
C) \$\_SERVER['HTTP\_HOST']      D) \$\_SERVER['HOST']
4. Which \$\_SERVER variable returns the name of the current script?  
A) \$\_SERVER['PHP\_SELF']      B) \$\_SERVER['SCRIPT\_NAME']  
C) \$\_SERVER['SELF']      D) \$\_SERVER['SCRIPT']

5. Which superglobal contains details about the server and execution environment? (કયા સુપરગ્લોબલમાં સર્વર અને એક્ઝેક્યુશન વાતાવરણ વિશે વિગતો છે?)

A) \$\_SERVER      B) \$\_ENV      C) \$\_SESSION      D) \$\_GLOBALS

6. Which PHP superglobal retrieves values from HTTP headers? (કયું PHP સુપરગ્લોબલ HTTP હેડરોમાંથી મૂલ્યો મેળવે છે?)

A) \$\_HEADER      B) \$\_SERVER      C) \$\_HTTP      D) \$\_ENV

**Q-4 (B) Short Answer Questions (Any 2 out of 3)**

**04**

1. What is the purpose of `move_uploaded_file()` function in PHP? ( `move_uploaded_file()` નો ઉપયોગ શું છે.)
2. What is an HTTP request? ( HTTP request શું છે.)
3. Write PHP code to get the name of the current script. (વર્તમાન સ્ક્રિપ્ટનું નામ મેળવવા માટે PHP કોડ લખો.)

**Q-4 (C) Explain in detail. (Any 1 out of 2)**

**06**

1. How can PHP be used to retrieve and display server-related information? Provide example code.
2. Explain the use of `$_SERVER` superglobal. Provide examples of at least five useful variables.

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