

PHP IMPORTANT QUESTIONS

UNIT 1: The Building Blocks of PHP

5 Marks Questions

1. What are variables in PHP? Explain their purpose with examples.
2. Define the different types of operators in PHP and provide examples for each.
3. What are constants in PHP? How do you define and use them?
4. Explain the difference between == and === in PHP.
5. What is the significance of flow control in programming? Provide examples of if-else statements.

10 Marks Questions

1. Discuss the various data types in PHP. Provide a detailed explanation of each with examples.
 2. Explain the concept of functions in PHP. How do you create and call a function? Include an example.
 3. Describe the scope of variables in PHP. How do local, global, and static variables differ?
 4. Illustrate the use of different types of loops in PHP, including for, while, and foreach.
 5. What are code blocks in PHP? How do they affect the execution of code? Provide examples.
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UNIT 2: Working with Arrays, Strings, Dates, and Time

5 Marks Questions

1. What is an array in PHP? Explain how to create an indexed array.
2. How can you access elements in an associative array? Provide an example.
3. What are string functions in PHP? Give three examples.
4. Explain the purpose of date and time functions in PHP with one example each.
5. How do you create and manipulate date objects in PHP?

10 Marks Questions

1. Compare indexed arrays and associative arrays in PHP. Provide examples for each type.
 2. Discuss common array-related functions in PHP, such as array_push(), array_pop(), and count().
 3. Explain how to use string manipulation functions to format and modify strings in PHP. Provide examples.
 4. Describe how to work with date and time functions in PHP. Provide code snippets demonstrating date formatting.
 5. How can you sort arrays in PHP? Discuss different sorting functions available.
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UNIT 3: Working with Forms and User Sessions

5 Marks Questions

1. What is the purpose of forms in PHP? How do you create a simple HTML form?
2. Explain how to retrieve form data using the `$_GET` and `$_POST` superglobals.
3. What are cookies? How do you set and retrieve a cookie in PHP?
4. What is a session in PHP? How do you start a session?
5. How can you destroy a session in PHP? Explain with an example.

10 Marks Questions

1. Discuss the process of form validation in PHP. What techniques can be used to validate user input?
 2. Explain how to combine HTML and PHP code to create dynamic web pages using forms.
 3. Illustrate how to handle file uploads in PHP, including form setup and processing.
 4. Describe the importance of security when handling form input and user sessions. What measures can be taken?
 5. Create a complete example demonstrating form handling, validation, and session management in PHP.
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UNIT 4: Working with Files and Images

5 Marks Questions

1. What are the different file modes in PHP? Explain with examples.
2. How do you open, read, and write to a file in PHP?
3. What is the purpose of the `fopen()` function in PHP?
4. Explain how to check if a file exists in PHP.
5. What are the common functions for image manipulation in PHP?

10 Marks Questions

1. Discuss the various file handling functions in PHP, including reading, writing, and deleting files. Provide code examples for each.
2. Explain the process of working with directories in PHP. How can you create and delete directories?
3. Describe how to use the GD library for image manipulation in PHP. Provide examples for creating and modifying images.
4. Illustrate how to handle file uploads securely in PHP, including validation and storage practices.
5. Create a mini-project demonstrating file handling and image processing using PHP. Outline the main features.

UNIT 5: Interacting with MySQL using PHP

5 Marks Questions

1. What is the difference between MySQL and MySQLi?
2. Explain how to connect to a MySQL database using PHP. Provide an example.
3. What are prepared statements in MySQLi, and why are they important?
4. How do you fetch records from a MySQL database using PHP?
5. What is the purpose of the `mysqli_query()` function?

10 Marks Questions

1. Illustrate how to perform CRUD operations (Create, Read, Update, Delete) in a PHP application with MySQL. Provide examples for each.
2. Explain how to create and structure a MySQL database for an online address book. Include tables and relationships.
3. Describe how to handle errors in MySQLi and what best practices to follow.
4. Discuss how to implement security measures when interacting with a MySQL database in PHP.
5. Create a complete example of an online address book application using PHP and MySQL, detailing the functionalities and database structure.