



امتحان النهائي
للعام الجامعي 2026/2025

المادة: المواقع الالكترونية المتقدمة

المدة: ساعتان

الدورة: الاولى

المرحلة: الإجازة

السنة المنهجية: الثالثة

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Q1 – Multiple Choice Questions

1. Which protocol is used specifically for sending e-mail?
a) POP3 b) FTP c) SMTP d) IMAP
2. In the context of IP addresses, what is an "octet"?
a) A group of 8 computers b) A set of four groups of numbers
c) The speed of the connection d) A type of domain extension
3. Which organization manages domain names and IP addresses?
a) W3C b) ICANN c) HTTP d) FTP
4. Which PHP function outputs data to the screen?
a) write() b) display() c) echo d) show()
5. PHP is a:
a) Client-side language b) Server-side language c) Database system
6. Which loop is best used when the number of iterations is known?
a) While b) do...while c) foreach d) for
7. Which superglobal is used to collect form data sent with POST?
a) \$_GET b) \$_FORM c) \$_POST d) \$_REQUEST
8. Which function is used to find a pattern in a string using RegEx?
a) find() b) preg_match() c) strpos() d) str_replace()
9. The File Transfer Protocol (FTP) typically uses which port for its data connection?
a) 21 b) 80 c) 20 d) 443
10. Which PHP function is used to count the number of words in a string
a) strlen() b) str_word_count() c) strpos() d) str_replace()

Q2. True or False

1. PHP variable names are case-sensitive (e.g., \$Age and \$age are different). (T / F)
2. The PHP keyword print has a return value of 1, echo has no return value. (T / F)
3. A PHP script can be placed anywhere in the HTML document. (T / F)
4. PHP is a client-side scripting language like JavaScript. (T / F)
5. The strpos() function returns FALSE if the text is not found within the string. (T / F)

Q3. – Short Answer Questions

1. Define **Domain Name** and explain its purpose.
2. **Static vs. Dynamic Websites:**
 1. List **two** disadvantages of a Static website.
 2. List **two** advantages of a Dynamic website.
3. Explain the difference between **echo** and **print** in PHP.
4. Explain the difference between ****GET**** and ****POST****.

Q4. Writing PHP Scripts

1. Object Oriented PHP:

Based on the "Car" class:

- Define a class named Car.
- Add two public properties: \$model and \$color.
- Create a __construct function that sets these properties when a new object is created.
- Instantiate a new object called \$myCar with the model "Tesla" and color "Black".

Q5. Data Types and Variables

1. **Variable Naming:** Identify which of the following variable assignments are **INVALID** and explain why.

- \$my-Var = "Hello";
- \$2ndVar = 50;
- \$_underscore = 10;
- \$color = "Red";

2. **Loose Typing:** Explain what happens in PHP if you perform the following operation. What is the final data type of \$x?

```
$x = "59.85" + 100;
```

Q6. Code Analysis

Predict the output of the following code snippets. Write exactly what will be displayed on the screen.

Snippet A:

```
<?php
echo str_replace("cats", "dogs", "I love cats!");
?>
```

Snippet B:

```
PHP
<?php
$txt = "Hello World!";
echo strlen($txt);
?>
```

Q7. Writing PHP Scripts

1. Write a PHP **function** named checkNumber(\$num) that: - Displays "Positive" if the number is greater than 0 - Displays "Negative" if the number is less than 0 - Displays "Zero" if the number equals 0

2. String Manipulation:

Write a PHP script that declares a variable \$sentence = "Final Exam";.

- a) First, output the sentence in reverse using a PHP function.
- b) Second, output the number of words in the sentence using a PHP function.

~~3.~~ Object Oriented PHP :

Based on the "Car" class example from your course:

- Define a class named Car.
- Add two public properties: \$model and \$color.
- Create a __construct function that sets these properties when a new object is created.
- Instantiate a new object called \$myCar with the model "Tesla" and color "Black".