



امتحان الجزئي
للعام الجامعي 2026/2025

المادة: المواقع الالكترونية المتقدمة

المدة: ساعة واحدة

الدورة: الاولى

المرحلة: الإجازة

السنة المنهجية: الثالثة

الاستاذ: د. محمد ناجي

Section A: Multiple Choice & True/False (30 points) (Choose the best answer for multiple choice questions and indicate True or False for statements. Each question is worth 2 points.)

1. What is the primary role of a "Web Server" in the context of web hosting?
 - a) To design the graphical user interface of a website.
 - b) To store website files and respond to requests from web browsers.
 - c) To register and manage domain names.
 - d) To translate human-readable domain names into IP addresses.
2. **True/False:** A domain name is a unique identifier for a website, similar to a physical street address. *False*
3. Which of the following is NOT a Top-Level Domain (TLD) explicitly mentioned in the document's list of examples?
 - a) .com
 - b) .net
 - c) .gov
 - d) .org.
4. **True/False:** ICANN's main function includes coordinating the assignment of Internet domain names and IP address numbers. *True*
5. Which type of web hosting is characterized by multiple websites sharing resources on a single server, potentially leading to the "bad neighbor effect"?
 - a) VPS Hosting
 - b) Dedicated Server Hosting
 - c) Shared Hosting
 - d) Cloud Hosting
6. **True/False:** Static websites are generally more secure and load faster than dynamic websites. *True*
7. A website that requires web programming and database design, and generates pages on-the-fly based on user needs, is known as a:
 - a) Static Website
 - b) HTML Website
 - c) Dynamic Website
 - d) Offline Website

8. **True/False:** In PHP, variable names are case-insensitive. *False*
9. 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()`
10. **True/False:** The PHP `echo` statement has a return value of 1, making it suitable for use in expressions. *False*
11. Which of the following is an example of an integer in PHP?
a) "Hello World!" b) 10.5 **(c) 5985** d) true
12. **True/False:** Constants in PHP are automatically global across the entire script. *True*
13. The File Transfer Protocol (FTP) typically uses which port for its data connection?
a) 21 b) 80 **(c) 20** d) 443
14. **True/False:** WordPress Hosting is essentially the same as Shared Hosting, with no specific optimizations. *False*
15. **Multiple Choice:** Which of these CMS alternatives is specifically highlighted as being simple and helpful for growing e-commerce businesses?
a) Joomla b) Drupal **(c) Shopify** d) Wix

Section B: Short Answer Questions (40 Points) (Answer each question concisely. Each question is worth 5 marks.)

1. Define Web Design.
2. Explain the concept of a Domain Name System (DNS) and its primary role.
3. List three disadvantages of Shared Hosting.
4. Briefly describe the key difference between the Front End and Back End components of a dynamic website.
5. What is FTP (File Transfer Protocol), and for what primary purpose do web developers commonly use it?
6. Name the two main email protocols used for receiving email and their respective acronyms.
7. State three rules for naming PHP variables.
8. Explain the difference between `echo` and `print` statements in PHP, highlighting at least two distinctions mentioned in the document.

Section C: PHP Code and Concepts (30 Points) (Write code snippets or explain concepts as required. Marks are indicated per question.)

1. PHP Comments (6 Points)

Write a PHP code snippet that demonstrates:

- A single-line comment.
- A multi-line comment block.
- How to comment out part of a line of code using a multi-line comment.

2. PHP Variables and Output (8 Points)

Write a PHP script that:

- Declares a string variable `$name` with a friend name.
- Declares an integer variable `$age` with his age.
- Uses the `echo` statement to output a sentence combining these variables, for example: "Hello, my friend's name is [Name] and he is [Your Age] years old."
- Uses the `str_replace()` function to replace "years old" with "old" in the output sentence, then echo the modified sentence.

3. PHP Data Types and `var_dump()` (8 Points)

For each of the following PHP variable assignments, predict the data type and value that `var_dump()` would return. Explain your reasoning briefly.

a) `$x = "123.45"; var_dump($x);`

b) `$y = 10 / 3; var_dump($y);`

c) `$z = 0; var_dump((bool)$z);`

d) `$a = "Hello" . 123; var_dump(is_numeric($a));`

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4. PHP Constants (8 Points)

a) Define a PHP constant named `SITE_NAME` with the value "My Awesome Website". (3 Points)

b) Define a PHP Array constant named `COLORS` with values "Red", "Green", "Blue". (3 Points)

c) Write a single `echo` statement to output the value of `SITE_NAME` followed by the second color from the `COLORS` array. (2 Points)