
TEST INFORMATION GUIDE

This test information guide provides a summary of concepts that are tested on the multiple-choice examination for the Information Systems Analyst I, II and III- Option W: Web Developer job. This information can be reviewed in combination with the class specification and examination announcement to assist you in preparing for the examination.

I. Web Design & Development (30 Questions)

Employees in this job must have knowledge of various web development programs and languages used to design, code, test and maintain both internal and public-facing websites and web-enabled applications. The questions in this section test your knowledge of Microsoft Visual Studio (.NET) and HTML (HyperText Markup Language). Specific test question topics include:

- Writing program code for .NET applications;
- Creating .NET Web pages;
- Web server characteristics;
- HTML program commands;
- Identifying HTML tags;

II. Web Content Management (10 Questions)

This job requires employees to be familiar with collaboration and content management systems. This section assesses your ability to design, construct and maintain websites using the SharePoint system. Specific test question topics include:

- Creating web pages on SharePoint servers;
- Identifying program commands;
- Coding and programming procedures;
- SharePoint characteristics.

III. Relational Database Design & Administration (10 Questions)

Employees are expected to possess knowledge of relational database systems used to support state websites and web-enabled applications. These questions test your knowledge in designing, constructing and maintaining databases in SQL (Structured Query Language). Specific test question topics include:

- Developing and maintaining databases;
- Identifying program commands;
- Common procedures and characteristics;
- System terminology.

--OVER--

IV. Web Accessibility & Security

(10 Questions)

Employees in this job must have the knowledge to design, construct and maintain websites and web applications that are compliant with state and federal requirements for accessibility and are consistent with application security standards. The questions in this section test knowledge in these important areas. Specific test question topics include:

- Accessibility guidelines and protocols;
- Identifying web application threats and security vulnerabilities;
- Procedures for preventing web system attacks.

V. Business/Systems Analysis

(10 Questions)

Employees are expected to have knowledge of business (process) and technical (systems) requirements for a given website or web application to determine project feasibility and to facilitate subsequent design and development activities. Specific test question topics include:

- Business/Systems procedures and concepts;
- Terminology;
- Modeling techniques;
- Work roles.