**Chapter 1: An introduction to web programming with ASP.NET Core MVC**

**Murach's ASP.NET Core MVC**

**MULTIPLE CHOICE**

1. The only software component that’s required to run a web application on a client is

| a. | a web server | c. | a web browser |
| --- | --- | --- | --- |
| b. | an application server | d. | a database server |

2. Which part of the following URL identifies the domain name for the website?

**https://www.murach.com/products/index.html**

| a. | https | c. | products |
| --- | --- | --- | --- |
| b. | www.murach.com | d. | index.html |

3. Which of the following statements describes the Internet?

| a. | It consists of many WANs. | c. | It can be accessed through an ISP. |
| --- | --- | --- | --- |
| b. | It is often referred to as “the Cloud”. | d. | All of the above. |

4. An intranet

| a. | is a local area network (LAN) |
| --- | --- |
| b. | connects computers that are near each other |
| c. | consists of many wide area networks (WANs) |
| d. | All of the above |
| e. | A and B only |

5. The protocol that’s used by a web browser and a web server to communicate in a web app is

| a. | HTML | c. | DBMS |
| --- | --- | --- | --- |
| b. | HTTP | d. | IIS |

6. Unlike a static web page, a dynamic web page

| a. | is created in response to an HTTP request |
| --- | --- |
| b. | is generated by a web app that’s running on an application server |
| c. | consists of HTML |
| d. | can’t be displayed in a web browser |

7. When a dynamic web page is requested, the web server passes the request to

| a. | the operating system | c. | the database server |
| --- | --- | --- | --- |
| b. | the browser | d. | the application server |

8. In an MVC web app, the view consists of

| a. | the code that generates the user interface |
| --- | --- |
| b. | the code that provides the data access |
| c. | the code that receives requests from users |
| d. | the code that provides the business logic |

9. In an MVC web app, the controller consists of

| a. | the code that generates the user interface |
| --- | --- |
| b. | the code that provides the data access |
| c. | the code that receives requests from users |
| d. | the code that provides the business logic |

10. Compared to Web Forms, which of the following is NOT a benefit of the MVC pattern?

| a. | It makes it easier to have different members of a team work on different components. |
| --- | --- |
| b. | It makes it easier to set up the app and get started quickly. |
| c. | It makes it possible to automate testing of individual components. |
| d. | It makes the app easier to maintain. |

11. Which of the following is a programming model for web development that’s built on an open-source platform and can run on multiple operating systems?

| a. | ASP.NET Web Forms | c. | ASP.NET Core MVC |
| --- | --- | --- | --- |
| b. | ASP.NET MVC | d. | ASP.NET Open |

12. Which of the following statements is true?

| a. | .NET Framework only runs on Windows. |
| --- | --- |
| b. | .NET Core only runs on Windows. |
| c. | .NET Core supports Web Forms development. |
| d. | .NET Framework supports ASP.NET Core MVC developement. |

13. Which of the following statements about ASP.NET Core middleware components is false?

| a. | They are configured in the Startup.cs file. |
| --- | --- |
| b. | They can edit the content of a response. |
| c. | They must be configured the same for all web apps. |
| d. | They can short circuit a request. |

14. Once a browser makes a request and receives a response

| a. | the app continues running to keep track of state |
| --- | --- |
| b. | the app keeps a connection to the browser open to maintain state |
| c. | the app stores the state in a cache so it can retrieve it later |
| d. | the app terminates and its state is lost |

15. Which of the following statements about Visual Studio Code is true?

| a. | It has more features than Visual Studio. |
| --- | --- |
| b. | It is a code editor that works well for ASP.NET Core MVC developement. |
| c. | It is an IDE that works well for ASP.NET Core MVC development. |
| d. | It only runs on Windows. |

16. In an ASP.NET Core MVC app, coding by convention

| a. | is not enabled by default |
| --- | --- |
| b. | reduces the amount of configuration that developers need to do if they follow certain conventions |
| c. | identifies which services to use and provides additional configuration if necessary |
| d. | configures the HTTP request and response pipeline |