

CSE445/598 Distributed Software Development Quiz 4

This is an open book test. Choose one answer unless otherwise specified.

- 1 When an ASPX page is accessed from a browser, what is the sent to the browser?
(A) The source code of the ASPX page. (B) **An XHTML page generated from the ASPX page.**
(C) The HTML portion of the ASPX page. (D) An XML page generated from the ASPX page.
- 2 What programming model best supports the thick client in the client-server architecture?
(A) Pure HTML-based Web Application. (B) Client-Side Scripting.
(C) **Out-Of-Browser Computing.** (D) Server-Side Scripting.
- 3 What Web programming models suffer from the problems of potential piracy and reverse engineering of proprietary programs? Select all that apply.
[] Pure HTML-based Web Application [] **Client-Side Scripting**
[] **Out-Of-Browser Computing** [] Server-Side Scripting
- 4 The traditional .dll library functions can be deployed to a Web server and accessed through
(A) remote API calls. (B) SOAP calls. (C) HTTP calls. (D) **internal calls.**
- 5 A server control in ASP .Net application (Select all that apply)
[] **is an object that forms a component in an ASPX page.**
[] must have an extension name .aspx.
[] is executed at the client side.
[] **can take input and emit an event upon an input.**
- 6 A user control (Select all that apply)
[] **is a component sharable among multiple pages.** [] **must have an extension name .ascx.**
[] is executed at the client side. [] creates a separate Web page.
- 7 What functions does the Web.config file have? Select all that apply.
[] It links a user control to a server control. [] It contains user controls.
[] **It keeps all application settings together.** [] **It can parameterize an application's behavior.**
- 8 Policy-based computing suggests to decouple
(A) **data from programs.** (B) clients from servers.
(C) data flows from control flows. (D) security features from functional features.
- 9 When session states are used, a Web server identifies a revisiting browser through an ID
(A) issued by the client machine. (B) **issued by the server.**
(C) associated with the client browser. (D) associated with the client HTTP session.
- 10 Where are HTTP Cookies stored for long term reuse?
(A) **in the hard drive of the client machine** (B) in the hard drive of the server
(C) in the Web browser (D) in a session state variable

- 11 If one selects the cookieless attribute = UseUri to support Session State variables, the restrictions associated with this selection are that the
- ☐ browser must support cookies. ☐ browser must remain open to revisit session states.
- ☐ user must enable cookies. ☐ developers must use relative paths.
- 12 XML files are stored in a Web server's file system in the form of
- (A) plain text files (B) binary files
- (C) linked tree of XML data (D) HTML file with its XSL file
- 13 How can you best prevent Web applications from deadlock in the case of copying data from one disk file to another disk file?
- (A) Open the two files in two different threads. (B) Open the two files in a random order.
- (C) Open one for read and the other for write. (D) Close one file before opening the other.
- 14 Availability A(t) is a probability related to the
- (A) continuity of service in time period [0, t]. (B) non-occurrence of catastrophic consequence.
- (C) readiness of service at time point t. (D) the validity and consistence of data and message.
- 15 Reliability R(t) is a probability related to the
- (A) continuity of service in time period [0, t]. (B) non-occurrence of catastrophic consequence.
- (C) readiness of service at time point t. (D) the validity and consistence of data and message.
- 16 Security is an umbrella concept that includes (Select all that apply):
- ☐ Availability ☐ Confidentiality ☐ Data integrity ☐ Vulnerability
- 17 In a public key security system, what key should be published if one wants to implement digital signature?
- (A) Encryption key (B) Decryption key (C) Both keys (D) None of the keys

Consider the piece of code given below, and answer the following three (3) questions.

```
<script language="C#" runat="server">
    private static Int32 visitorCounter = 0;
    void Session_Start(){
        Response.Write("<hr />Welcome! You are my visitor number " + visitorCounter);
        visitorCounter = visitorCounter + 1; }
</script>
```

- 18 In which file of an ASPX application does the piece code most likely belong to?
- (A) DLL file (B) User control file (C) Web.config file (D) Global file
- 19 What is a potential issue (problem) that this page has?
- (A) incorrect counting (B) proprietary issue (C) Performance issue (D) deadlock issue
- 20 In the code, if you change Session_Start() to Application_start(), what is the result?
- (A) The problem is completely fixed. (B) The problem remain the same.
- (C) The problem is partially fixed. (D) The problem becomes worse.