# M.E. DEGREE EXAMINATIONS: OCTOBER/NOVEMBER – 2008

Second Semester

## COMPUTER SCIENCE AND ENGINEERING

### P07CS205 – Web Technology

**Time: Three Hours**                                    **Maximum Marks: 100**

### Answer ALL Questions:-

### PART A (20 x 1 = 20 Marks)

1. What is correct HTML for making a hyprelink?
a) < a url="http://www.xxx.com">xxx.com<ja>
b) <a>http://www.xxx.com<ja>
c) <a href ="http://www.xxx.com">xxx<ja>
d) <a name="http://www.xxx.com">xxx.com<(a)>

2. Which statement is not true for SPAN element
a) Its main use is to apply styles or ID attributes to a block of text
b) It is a generic grouping element and does not apply any inherent formatting to its contents
c) It is a generic grouping elements and does not apply any inherent formatting to its contents and displayed on its own line with margins above and below
d) It is displayed inline with other text with no line breaks

3. Not a method of math object in Javascript
a) cell(x)
b) sqr(x,y)
c) sqrt(x)
d) exp(x)

4. RTrim() function will (VB script)
a) Returns a string that does not contain leading (or) trailing space characters
b) Returns a string that does not contain leading space character
c) Returns a string that does not contain trailing space characters
d) Returns a string that does not contain leading and trailing space characters

5. What is XSL?
a) An XML based language to create styles sheets
b) This is a language not used in XML
c) Extensible solution language
d) Extended style sheet language

6. CGI applications reside in the following directory
a) /perl-bin
b) /cgi-bin
c) /CPAN
d) /root

7. Which of the statement is not true for a cookie?
a) Cookies are small image files on the client's machine
b) Cookie is sent back to the web server whenever the user requests a web page
c) Used to maintain state information for a particular client that uses a web browser
d) They are text files containing information that may be useful the next time the client visits the website

8. Which is not an example for XML application?
a) Chemical Markup Language (CML)
b) Constructional Markup Language (CTML)
c) Speech Markup Language (Speech ML)
d) Product Data Markup Language (PDML)

9. Implicit JSP variable session is an instance of
a) Javax.http.session
b) Javax.http.httpsession
c) Javax.httpsession
d) Javax.seruletsession

10. What does this line do?    <% session.timeout=60%>
a)  Sets the time out period to 60 sec's
b)  Sets the time out period to 60 min's
c)  Sets the time out period to 60 millisec's
d)  Sets the time out period after 0.6 min's

11. Not a method of class Http servlet
a) DoGet()
b) DoDelete()
c) DoInsert ()
d) DoTrace()

12. False statement about Server side includes (SSI)
a) Commands embedded in HTML documents to provide for content creation
b) Allows web masters to include the current time, date etc.
c) Execute CGI scripts on a server but cannot be connected to ODBC data source
d) Typically has the .SHTML file extension

13. Secret-key cryptography is also known as
a) Asymmetric cryptography
b) Symmetric cryptography
c) public-key cryptography
d) Digital cryptography

14. WPKI stands for
a) Web Public Key Infrastructure
b) Web Private Key Infrastructure
c) Wireless Public Key Infrastructure
d) Wireless Private Key Infrastructure

15. Not true for Secure Sockets Layer (SSL) protocol
a) Uses public-key technology and digital certificates to authenticate the
   Server in a transaction.
b) SSL protects private information
c) SSL transaction do not require client authentication
d) The client and server negotiate session keys for transaction

16. VeriSign means
a) A machine used to verify signature
b) A machine used for verifying payment details in a bank
c) A software tool used for pattern recognition
d) Issues certificate to its customers to authenticate the subject identity

17. IPSec (Internet Protocol Security) was developed by
a) Internet Protocol Task force
b) Internet Protocol Security group
c) Internet Engineering Task force
d) Internet Engineering Security force

18. A false statement about web casting
a) Transmission of non-linear audio or video over the internet
b) Transmission of linear audio or video over the internet
c) Uses streaming media technology
d) Takes a single content source and distribute it to many simultaneous listeners

19. Which is not an advantage of SOAP
a) Platform independent
b) Simple and extensible
c) Language independent
d) Non-versatile to use with different transport protocols

20. Not true about Serve Farm
a) Server farms are used for cluster computing
b) Server farms has the same reliability levels as mainframes
c) Used for web hosting
d) Typically co-located with network switches/ routers

## PART – B (5 x 16 = 80 marks)

21 (a)
i) How hyperlinks to document are created in HTML explain with an example   (8)
ii) Explain the difference between break continue statement and labeled break and
Continue statement                                                        (8)

OR

21 (b) Explain how style sheets are cascaded using the following methods with examples
i)  Using inline styles                                                     (5)
ii) Declaring styles in the header section                                  (5)
iii) Linking external style sheets                                          (6)


22 (a) Write HTML code to create a Registration form and explain the tags used   (16)

OR

22 (b)                                                                       (8)
i) Write a note on XML parser                                               (8)
ii) What is Server- Side Includes (SSI). Explain SSI's with examples

23 (a)
i) What are File System Objects (FSO) in ASP ?                              (10)
   Explain the types of FSO with their properties and methods              (6)
ii) What is Java Server Page? Explain how a JSP is created

OR

23 (b)                                                                       (6)
i) Explain the Servlet interface with their methods                        (10)
ii) With an example explain Session tracking is done with http session

24 a) i) What is firewall? List various forms of firewalls available along with their
application servers. (8)
ii) What is the use of Digital certificate. Explain with examples (8)

OR

24 b) i) With an example explain that how a Database is connected using DBI (10)
ii) Explain how digital signatures are used for security (6)

25 a) i) What is SOAP? How data can be transferred using SOAP?
List the disadvantages of SOAP (9)
ii) Write a short note on Server Farm (7)

OR

25 b) i) What is a semantic web? How they are built using the syntax called Resource
Description Framework (RDF) (10)
ii) Explain the uses of XML web services (6)

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