

24267

B.Tech. 5th Semester (Computer Science & Engg.)

Examination, December-2012

WEB DEVELOPMENT

Paper-CSE-307-F

Time allowed : 3 hours]

[Maximum marks : 100

*Note : Attempt five questions in all. Question No. 1 is compulsory. Attempt one question from each section.*

1. (a) What happens to the static fields of a class during serialization ? 20
- (b) What is the difference between a constructor and a method ?
- (c) What is overriding ? Give example.
- (d) What is XML island ?
- (e) What do you mean by Cookies ?
- (f) What type of parameter passing does Java support ?
- (g) How do we set environment variables in Perl programs ?
- (h) How to embed Java Script in a web page ?
- (i) What are the advantages of 3 tier applications over 2 tier applications ?
- (j) Define CLR, BCL and FCL.

**Section-A**

2. (a) What is an exception ? How exception handling take place in Java ? Explain with an example. 12
- (b) What do you mean by Java Applets ? What are the advantages and disadvantages of Applets. 8
3. (a) Explain the concept of threads and Interfaces in Java. 10
- (b) What do you mean by Inheritance ? What are the the different type of inheritance possible in Java ? Explain one with an example. 10

**Section-B**

4. (a) Explain in detail hypertext, hypertext structure and Access modeling with diagram. 10
- (b) Differentiate between HTML, XML and XHTML. 10
5. Write short note on : 20
- (a) Hidden fields.
- (b) Meta tags for common tasks.

**Section-C**

6. Write short notes on : 20
- (a) PERL
- (b) Programming language for Server Side Scripting.

7. (a) How form processing takes place using VB Script ? Assume any example of form Processing using VB Script. 10
- (b) Compare Server Side technologies CGI, ASP and JSP. 10

### Section-D

8. Discuss various issues and development of Applets and Servelets ? Differentiate Applets and Servelets. By assuming any example, design one Applet and Servelet using Java. 20
9. Discuss various features of .Net technology. Compare all features with various competing technologies with advantage and disadvantages. 20

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