

**B.TECH DEGREE EXAMINATIONS: NOV / DEC 2010**

Fourth Semester

**INFORMATION TECHNOLOGY**

U07IT401: Internet & Java Programming

**Time: Three Hours**

**Maximum Marks: 100**

**Answer ALL Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. A \_\_\_\_\_ translates between the numeric IP addresses that identify each host computer on the Internet and corresponding domain names.  
a) Domain Name System Server                      b) Domain Name Software System  
c) Domain Native System                              d) Domain Name System software
2. \_\_\_\_\_ allows thousands of Internet users to participant in real-time text-based chat.  
a) Information Real Chat                              b) Information Relay Chat  
c) Internet Relay Chat                                  d) Internet Real Chat
3. Java is a simplified version of \_\_\_\_\_.  
a) C    b) C++    c) Java script    d) Php
4. Java compiler translates source code into \_\_\_\_\_ instructions.  
a) Machine code      b) Byte code    c) Native code    d) Object code
5. The \_\_\_\_\_ package contains a large numbers of stream classes that provide capabilities for processing all types of data.  
a) java.lang    b) java.io    c) java.util    d) java.net
6. Java permits us to set the priority of a thread using the \_\_\_\_\_ method.  
a) putPriority()      b) getPriority()    c) setPrioity()    d)setThreadPriority()
7. \_\_\_\_\_ are Java programs developed for use on the Internet.  
a) HTML    b) JavaScript    c) Frame    d) Applet
8. Events are supported by the \_\_\_\_\_ package.  
a) java.io.event      b) java.awt    c) java.awt.event    d) javax.swing.event
9. In Java, the datagram socket uses \_\_\_\_\_ protocol for communication.  
a) UDP    b) TCP    c) IP    d) FTP
10. All servlets must implement the \_\_\_\_\_.  
a) Servlet interface    b) Servlet class    c) ServletRunner interface    d) ServletConfig interface

**PART B (10 x 2 = 20 Marks)**

11. What is the use of FTP?

12. Write the basic structure of HTML file.
13. Define constructors.
14. Write the syntax of exception handling code.
15. What is synchronization?
16. Compare the Vector class with array.
17. What is the difference between Applets and Applications?
18. How do you create a window in a stand-alone application?
19. Define Cookies.
20. Write about Servlet life cycle methods.

**PART C (5 x 14 = 70 Marks)**

21. a) Create a college web site which consists of the following features using necessary HTML tags.

- UG Courses
- PG Courses
- Library Facility
- Hostel Facility

**(OR)**

b) What is IP address? What are the services provided by the Internet? Discuss about ISP features.

22. a) (i) Discuss about various Java features in detail. (7)  
(ii) What is inheritance? Write notes on Interface with example. (7)

**(OR)**

b) (i) Define Package. Explain the user-defined package with example program. (7)  
(ii) What is Exception? Discuss about Exception handling with example. (7)

23. a) What is Multithreading? Discuss about Thread life cycle methods. Write a java program to implement the multithreading concepts.

**(OR)**

b) (i) Explain in detail about any 2 Byte stream classes. (7)  
(ii) Discuss about ArrayList class with its method. (7)

24. a) Develop an Applet program with following structure

Value A:   
Value B:   
Value C:

User enter the value of A and B then press the ADD Button, the addition of A&B will display in the Value C text box. User press the Clear button means all the text boxes must clear its value. Write the appropriate coding for the event handling on above process.

**(OR)**

b) (i) Write notes on Applet tag with all attributes. (7)  
(ii) Explain about any 2 Event listener interface. What is the use of Adapter class? (7)

25. a) What are steps involved in Java database connectivity? Write one example program.

**(OR)**

b) Explain in detail about RMI concept with example program.

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