Register Number: ……………………..

B.E/B.TECH DEGREE EXAMINATIONS: APRIL/MAY 2014

(Regulation 2009)

Fifth Semester

ITY105: INTERNET & JAVA PROGRAMMING

(Common to CSE/IT)

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

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Which of the following is not a pair tag?

a)   <p>   b)   <u>

c)   <i>   d)   <img>

2. How many types of Lists are in HTML?

a)   1   b)   2

c)   3   d)   4

3. Which among the following is a signed 32-bit integer datatype?

a)   short   b)   int

c)   byte   d)   long

4. Which of these keywords is used to refer to member of base class from a sub class?

a)   upper   b)   super

c)   final   d)   this

5. A class can implement _____ interfaces.

a)   Only one   b)   One or more

c)   Minimum two   d)   Maximum two

6. All the classes in a package can be simultaneously imported using ____.

a)   *   b)   ^

c)   %   d)   @

7. Thread priority in Java is?

a)   Integer   b)   Float

c)   Double   d)   Long

8. Which one of the following classes is used to read and write bytes in a file?

a)   FileInputStream   b)   FileReader

c)   FileWriter   d)   InputStreamReader

9. All the collection classes in java are available in

a)   Java.util   b)   Java.lang

c)   Java.io   d)   Java.awt

10. Which one of these events is generated when a button is pressed?

a)   WindowEvent   b)   KeyEvent

c)   ActionEvent   d)   AdjustmentEvent

PART B (10 x 2 = 20 Marks)

11. Write a simple HTML code to illustrate the use of Heading tag.

12. What is meant by pseudo Internet Address?

13. What is an Object and how do you allocate memory to it?

14. State the benefits of Java Byte Code.

15. Specify the keywords used in java exception handling mechanism.

16. Distinguish String class from StringBuffer class in java.

17. When would you call java's thread.run() instead of thread.start()?

18. Classify the java IO Streams used for file handling.

19. Create a simple applet program to set the background color as red.

20. How does Checkbox class differ from CheckboxGroup?

PART C (5 x 14 = 70 Marks)

21. a)   (i)   Describe about the uniform resource locator and protocols used in Internet.   (8)

         (ii) Explain the use Image Mapping in HTML with an example code.   (6)

(OR)

     b)   List the tags used to provide form controls and create a registration form for attending an interview in an MNC Company.

22. a)   Describe the twelve-java buzzwords that impart the evolution of the java programming language in the history of Computer Programming.

(OR)

     b)   (i)   Use appropriate java's control structure to convert the given decimal number to binary number.   (10)

         (ii) How the operators in the java programming language are executed? Explain   (4)

23. a)   Write a program to demonstrate the accessibility of variables having different

access modifiers in its classes and subclasses with in a package and in another package.

(OR)

b) Demonstrate the concept of multiple catch blocks in the Exception handling mechanism for any two unchecked exceptions in java with an example program.

24. a) (i) Differentiate thread based multitasking from process based multitasking. (4)

(ii) Elucidate the ways of creating thread by using Thread class and Runnable interface with an example. (10)

(OR)

b) (i) List any four-stream classes defined in byte and character IO stream classes. (4)

(ii) Use PushbackReader class to show how a programming language parser can use (10) a pushback stream to deal with the difference between the == operator for comparison and the = operator for assignment.

25. a) Use adapter class to write an applet that changes the background to red color while the mouse is being dragged and green while mouse is being moved. At all other times, the applet should be white.

(OR)

b) List out the various layout managers defined by java and compare the layouts based on their use in real time applications.

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