



**Code: DC60****Subject: JAVA AND WEB PROGRAMMING**

- (C) Visible in all classes in the same package and subclasses in the other packages
- (D) Visible only in the class where it is declared
- g. URL identifies a host computer by
- (A) IP address (B) domain name  
(C) none of these (D) either of these
- h. \_\_\_\_\_ provide domain to IP mapping on the internet.
- (A) DNS (B) HTML  
(C) ICMP (D) CSS
- i. HTML tags define
- (A) The data types of elements of document  
(B) Presentation of specified elements of a document  
(C) The contents of the document  
(D) The structure of the document
- j. Most style properties set for the body element apply to the entire page through \_\_\_\_\_
- (A) Inheritance (B) Polymorphism  
(C) Encapsulation (D) All of these

**PART A****Attempt any THREE questions. Each question carries 16 marks.**

- Q.2** a. How does Java differ from C and C++? (8)
- b. Explain the meaning of the following statement `public static void main (string args [ ] )` (8)
- Q.3** a. What are the three things performed by declaration? (8)
- b. List any 7 Java operators with description, associativity and relative ranking. (8)
- Q.4** a. Explain the concept of Method Overloading in Java with explain. (7)
- b. What are vectors? How are they advantageous over arrays? (6)
- c. Explain 'equals()' function of the string class. (3)
- Q.5** a. How to extend an interface? Illustrate with an example. (10)
- b. List any three frequently used packages in Java with descriptions. (6)

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- Q.6** a. Here's a piece of code that has been saved in a file called "JollyMessage.java":  
// A jolly message is written to the screen!

```
class Jollymessage
{

public static void main(String[] args) {

//Write the message to the terminal window
System.out.println("Ho Ho Ho!");

}
}
```

The above code will produce a runtime error message. To put it another way, a mistake has been made but it won't be picked up when the program is compiled, only when it is run.

What is the mistake and what error will be returned when the compiled code is executed? How can the problem be rectified? (8)

- b. Discuss the concept of streams in java. What are the two basic streams? (8)

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**PART B**

**Attempt any TWO questions. Each question carries 16 marks.**

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- Q.7** a. What are name servers? Explain. (8)

- b. Are there any problems spacing images in toolbars? What is the solution? (8)

- Q.8** a. How can you control the horizontal and vertical positioning of content within a cell? Explain through examples. (8)

- b. What are the elements of design? Explain any four. (8)

- Q.9** a. Explain the essential parts of a typical form. (8)

- b. Describe how to embed JavaScript in a Web Page. (8)