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- g. Which one of the following array declaration statements is not legal?
- (A) `int []a[] = new int [4][4];`      (B) `int a[][] = new int [4][4];`  
(C) `int a[][] = new int [][][4];`      (D) `int []a[] = new int [4]{};`
- h. Which one of these is a valid method declaration?
- (A) `void method1 { /* ... */ }`      (B) `void method2() { /* ... */ }`  
(C) `void method3(void) { /* ... */ }`      (D) `method4() { /* ... */ }`
- i. Given a class named `Book`, which one of these is a valid constructor declaration for the class?
- (A) `Book(Book b) {}`      (B) `Book Book() {}`  
(C) `private final Book() {}`      (D) `void Book() {}`
- j. How restrictive is the default accessibility compared to public, protected, and private accessibility?
- (A) Less restrictive than public.  
(B) More restrictive than public, but less restrictive than protected.  
(C) More restrictive than protected, but less restrictive than private.  
(D) More restrictive than private.
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### PART A

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

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- Q.2** a. List the important characteristics of Java Language. (8)  
b. How Java is more secured than other languages? Also state why Java is strongly associated with the Internet? (8)
- Q.3** a. Explain how Java takes care of type conversion and Casting with examples. (8)  
b. Write a program in Java to implement basic stack operations. (8)
- Q.4** a. Explain method overloading and overriding with example for each. (8)  
b. Explain different types of inheritance in Java. (8)
- Q.5** a. What is a package in Java? Explain different access modifiers of Java. (8)  
b. What is an Interface in Java? Explain how do you create interfaces? (8)
- Q.6** a. Explain how Java handles exceptions with try, catch and finally. (8)  
b. Explain the two methods for creating threads in Java. (8)
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**PART B**  
**Attempt any TWO questions. Each question carries 16 marks.**

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- Q.7** a. What is Domain Name System? Mention the points to note about domain space. (8)
- b. Briefly explain the steps of Web development process. (8)
- Q.8** a. What is Server Side Includes? Explain how you include SSI in web pages. (8)
- b. Mention the different information architectures that can be good models for structuring the website. (8)
- Q.9** a. What is CGI? Explain the use of cgi-bin directory in CGI programs. (8)
- b. What is the difference between block- level and inline elements? Explain with examples. (8)