PC-132/AK

O-2/2041

JAVA PROGRAMMING
Paper – MS(A)-212
IInd Year (Annual)

Time : Three Hours]   [Maximum Marks : 80

Note : Attempt *two* questions each from Section A and B carrying 16 marks each and the entire Section C consisting of 8 short answer type questions carrying 2 marks each.

SECTION – A

I.   Why Java is important to the Internet? Discuss various features of the Java language.

II. Define an Operator? Discuss various types of Operators in Java.

III. What is Recursion? Write a program to print the Fibonacci series using recursion.

IV. What are various types of inheritance in Java? Why Java doesn't support multiple inheritances?

SECTION – B

V. What do you mean by Package? Explain steps to create a package.

VI. Discuss memory allocation in Java. Explain Garbage collection in detail.

VII. What is an exception? Explain how the exception is handled in Java.

VIII. What is Applet? Discuss the life cycle of Applet.

SECTION – C

IX. Write brief notes on the following :

(a) What does public static void main String [ ] args mean?

(b) Difference between PATH and CLASSPATH.

(c) Use of "this" and "super" keywords.

(d) Access specifiers.

(e) Primitive data types.

(f) Static variable.

(g) Explain any *two* read and write inbuilt functions for file handling.

(h) Discuss JDBC database connectivity in Java.

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