PC-14167/NK

S-2/2111

PROGRAMMING WITH JAVA

Paper–BVSD-213

(Semester–III)

Time : Three Hours]   [Maximum Marks : 60

Note : Attempt *two* questions each from Section A and B. Section C will be compulsory.

SECTION–A

I.   What are various Java tools available in JDK ? Describe how these are used in application development?   9

II.   Differentiating between :

    (a)   Method overloading and method overriding.

    (b)   Final and Abstract.

    (c)   Static binding and dynamic binding.   9

III.   What are the differences between interface and a class ? How interface helps in multiple inheritance ?   9

IV. How many ways a thread can be created? Illustrate the different pros and cons of the different ways of creating a thread. 9

SECTION–B

V. What is an exception ? How can a programmer create his own exception ? 9

VI. List different types of layouts and explain Border Layout and Card Layout. 9

VII. What is a Swing ? What are the differences between Component and Container ? 9

VIII. Explain common JDBC Components. 9

SECTION–C
(Compulsory Question)

IX. (a) What are streams ?

(b) What is Java Development Kit ?

(c) Explain the use of super keyword.

(d) How does Java support platform independence ?

(e) What is the difference between importing and extending a class ?

(f) Difference between final and finally.

(g) Write a note on layout manager.

(h) Explain life cycle of an Thread.

(i) What is Resultset ?

(j) What is an event ?

(k) What is constructor overloading?

(l) Differentiate between throw and throws.

$(12\times2=24)$

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