Roll No. ....

Total No. of Questions : 09]   [Total No. of Pages : 02

B. Tech. (Sem. - 7th/8th)
INTRODUCTION TO JAVA
SUBJECT CODE : IT - 402
Paper ID : [A0529]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours   **Maximum Marks : 60**

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

3) Attempt any **Two** questions from Section - C.

Section - A

Q1)   *(10 × 2 = 20)*

a)   What do you mean by garbage collection?

b)   What is the use of abstract classes?

c)   Is Java fully Object oriented language? Justify your Answer.

d)   Name various control structures of Java.

e)   What is Inheritance and its use?

f)   Can we use the Keyword "this" for returning the current object in java?

g)   Why is Java more secured than other languages?

h)   What is an Exception?

i)   What is the importance of byte-code generation in Java.

j)   Differentiate between Package and Interface.

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Section - B

(4 × 5 = 20)

Q2) Explain the multithreaded programming Model of Java?

Q3) What are the different types of I/O handling methods in Java? Describe in brief?

Q4) How do the jar files work in java? What happens if the manifest file is missing in jar file.

Q5) Differentiate between Try and Catch, Throw and finally methods.

Q6) Explain in detail the architecture of Java APPLET class.

Section - C

(2 × 10 = 20)

Q7) List various string handling functions of Java and write a program that reads string from the keyboard, reverses it and check whether the string is palindrome or not .

Q8) What is the purpose of method overloading and method overriding? Explain with the help of a Java program.

Q9) Write short notes on the following:

(a) Handling Networking in Java.

(b) Data types in Java.

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