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Total No. of Pages: 02

Total No. of Questions: 07

B.Sc(IT) (2015 Onwards) (Sem. – 5)

PROGRAMMING IN JAVA

M Code: 74376

Subject Code: BSIT-502

Paper ID: [74376]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION A

1. a) List four important features of Java language.
b) What is byte code?
c) What is the utility of break statement?
d) What is use of final keyword?
e) How an error is different from exception?
f) How application is different from applet?
g) What is method overriding? Give an example.
h) What is the utility of packages in JAVA?
i) Write note on AWT.
j) What is delegation event model?

SECTION B

2. Explain different types of operators used in java programming. Write a program to implement the Fibonacci series 1 1 2 3 5 8 13 24.... using for loop control structure.
3. What are wrapper classes? Discuss the various constructors of these classes. Why are wrapper classes required?
4. How Packages differ from Interfaces? Define an interface using JAVA that contains a method to calculate the perimeter of an object. Define two classes circle and Rectangle with suitable fields and methods. Implement the interface “perimeter” in these classes. Write the appropriate main() method to create object of each class and test all the methods.
5. How an Applet is created? Describe the Applet Life Cycle. What are the requirements for creating an Applet?
6. What is the keyword throw used for? What is the keyword throws used for? Explain with example.
7. What is FileInputStream and FileOutputStream. Explain in brief. Write a java program to copy the contents of one text file to another.