Code No. : **5281**

FACULTY OF INFORMATICS
B.E. 2/4 (IT) II Semester (Supple.) Examination, January 2012
OOP USING JAVA

Time: 3 Hours]

[Max. Marks: 75

Note: *Answer **all** questions from Part **A**. Answer **any five** questions from Part **B**.*

<div align="center">PART – A</div>   (25 Marks)

1. What is Byte Code ? What is the significance of it ?   2

2. Differentiate between object-oriented and procedure-oriented programming.   2

3. Specify the difference between "throw" and "throws" keywords used in exception
   handling.   2

4. Specify the uses of multithreading.   2

5. Which method is used as destructor in Java ? When it is called ? Who invokes it ?   3

6. What is class loader ?   2

7. Differentiate between byte streams and character streams.   3

8. Specify the various methods used in Data Input Stream class.   3

9. Specify the Applet Life Cycle.   3

10. Explain the delegation Event Model. Briefly.   3

<div align="center">PART – B</div>   (50 Marks)

11. a) Explain the package concept in Java. Give examples.   6

    b) Write a program to implement nested classes.   4

12. a) Explain the exception handling mechanism in Java.   6

    b) How to set priorities to threads in Java. Specify various examples.   4

13. a) Explain various Wrapper classes used in Java. 7

b) Write a short program to read an integer, float and double and display them. 3

14. a) What is an Iterator ? What is the use of it ? Write a short program to demonstrate Iterators. (2+2+4)

b) Define Tree Set in Java. 2

15. a) What is serialization ? Write a program to demonstrate serialization. (2+5)

b) Specify the various methods of file class. 3

16. a) Explain various AWT components with examples. 5

b) Write a program to demonstrate an Applet. 5

17. a) What is Thread synchronization ? Why do we need synchronization ? Give an example. (2+2+2)

b) Explain the use of static keyword in Java. 4

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