Code: CS3T5

II B.Tech - I Semester–Regular/Supplementary Examinations November 2017

OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

$$11x\ 2 = 22\ M$$

1.
 a) Justify the statement "Java is Platform Independent Language".
 b) What is the importance of StringTokenizer?
 c) Explain Abstract class.
 d) What are the differences between class and interface?
 e) List out any four wrapper classes.
 f) Write a short note on Array List.
 g) Differentiate error and exception. List out various keywords used for exception handling.
 h) Distinguish process and thread.
 i) Explain any 4 AWT classes.
 j) Explain event delegation model.
 k) Briefly describe the accessing of command line arguments in Java.

PART – B
Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) List and explain various OOP's principles and concepts.

8 M

b) Explain the importance of constructors in Java. Write a detailed note on various types of constructors. 8 M

3. a) What is inheritance? Write a Java program to develop simple inheritance. 8 M

b) In how many ways, 'final' keyword will be used in Java. Write a detailed note for each type of usage. 8 M

4. a) What is Package? Write a Java program to create and access a Package in Java. 8 M

b) Explain the hashcode() and equals() methods in Java. 8 M

5. a) How Java supports exception handling mechanism? Write a detailed note on all the keywords used in exception handling mechanism. 8 M

b) Draw and explain various states of thread life cycle. 8 M

6. a) Explain the usage of border and grid layout managers.

8 M

   b) Write a Java program for handling Keyboard events.   8 M