

**FACULTY OF INFORMATICS**

B.E. 2/4 (IT) II-Semester (Main) Examination, April / May 2013

Subject : **Object Oriented Programming Using Java**

Time : 3 Hours

Max. Marks: 75

**Note: Answer all questions of Part - A and answer any five questions from Part-B.****PART – A (25 Marks)**

1. What are interfaces? (2)
2. Write short notes on packages. (3)
3. Give the difference between exception and error. (2)
4. What is the purpose of transient modifier? (2)
5. Write a program that demonstrate yield() method of a thread class. (3)
6. List the types of Layouts. (2)
7. What is the difference between string and string Buffer classes and give example code snippets? (3)
8. List most common constructors of File Inputs Stream and File output stream. (3)
9. Define an Applet. Write the structure of simple Applet code. (3)
10. Explain about Nested pannels. (2)

**PART – B (5x10=50 Marks)**

- 11.(a) Explain in detail the concept of object oriented programming, with simple examples. (5)
- (b) What does this () refer to when used as a method? How does it differ from this used as an object? (5)
- 12.(a) Explain multithread concept. (2)
- Write a program for producer – consumer problem using multithread concept. (5)
- (b) Explain the concept of Nested Interface. (3)
- 13.(a) Explain the technique of wrapping an input stream reader object around system in and a Buffered Reader object around the Input stream Reader object. What does this technique accomplish? (5)
- (b) Write a program to add two integer numbers read from a text file and display results on console. (5)
- 14.(a) Explain about character streams. (5)
- (b) Write a program for serialization concept. (5)
- 15.(a) What are the methods supported by Mouse listener interface? (5)
- (b) List the text related GUI concepts. (5)
- 16.(a) Explain about delegation even model. (5)
- (b) Explain few AWT controls which helps in developing GUI interface. (5)
17. Write short notes the following:
  - (a) Print writer class (4)
  - (b) Random Access Interface (3)
  - (c) String Tokenizer (3)