



**Addis Ababa Science and Technology University College of
Electrical and Mechanical Engineering
Department of Software Engineering**

Advanced Programming (SWEG2033)

Test 1

Time Allowed: 1hr

Max. Wt.: 15%

Full Name: _____

Id. No: _____ Section: _____

Instructor Name: _____

General Direction:

- Make sure that this examination contains 4 pages, without including the cover page. Each page contain one question.
- You have to use the concept JAVA programing.
- Read and understand the question and give appropriate answer for each,
- Use of red pen and pencil is not allowed,
- Switch off your mobile phones,
- Any attempt of cheating will disqualify your result,
- Neat and legible work is highly appreciated.

For the Instructor Use Only:

Q1	Q2	Q3	Q4	Total

1. In java GUI API contains classes that classified into three groups. List those group of classes and give at list three class example for each group of class (**3 points**).

2. list the three major layout management of AWT and define each and discuss how they work (**3 points**)

3. What is file stream? List the three standard file streams and define each of them (3 **Points**).

4. Assume your program code file, “input.txt” and “output.txt” file is the same folder location and the input.txt file hold “Addis ababa science and technology university” text. And write java file program to copy “input.txt” file text in to “output.txt” file. When you copy this text the output.txt file text should be title case sentence like this “Addis Ababa Science And Technology University” (**4 Points**). N.B: Your code should be work if the input.txt text change otherwise you lose the point. E.g., if the input text “ Abebe is a good boy” then output text will be “ Abebe Is A Good Boy” N.B: use FileInputStream and FileOutputStream class