



Addis Ababa Science and Technology University

**College of Electrical and Mechanical Engineering
Department of Software Engineering**

**Advanced Programming Test
Weight 15%**

N.B

- **Time allowed for this 1:00**
- **Switch of your mobile phone.**
- Remember that talking is not allowed at any time in the exam hall.
- Do not turn over exam papers until told to do so.
- Write your answer on the blank space below each question.
- **Your answer should be clear and full answer (To the point)**
- **Invalid answer have no value**

For Student

Name	ID

1. List at list four java programing features? (1.5 points)
2. Compare and contrast the object programing language and object based programing language? (2.5 points)
3. Compare, contrast and discuss between GUI and Command or character based programing? (2 Points)
4. List the three different ways of object initialize? (2 points)
5. What is object in Object Oriented Programing (OOP)? (1 points)

There are 5 questions from those select any 3 question and do to score 6 points. The rest has no value.

1. Discuss Event-driven programming? (2 points)
2. What is the difference between lightweight components, and heavyweight components? (2 points)
3. The GUI API contains classes that can be classified into three groups : List those class (2 points)
4. A top-level window (that is, a window that is not contained inside another window) is _____ (1point). The component that creates an event and fires it is called the _____(1 point)
5. _____ and _____ are the two important aspects in event manipulation (2points)