



# Holiday Assignments

## ADVANCE LEVEL

**Subject: Logic**

**Grade 12**

**Medium: English**

### Logic and scientific method

- 1) Write an essay about Ethical issues in society.
- 2) Explain the Francis Bacon's idea about integrating two knowledges of craftsmen and scholars.
- 3) Write notes on three of the followings.
  - I. Sorites in logic
  - II. Inductive ideology
  - III. Enthymemes in logic
  - IV. Rules in syllogism
- 4) Explain Imre Lakatos's research programme methodology and why does it differ from other scientific methodologies.
- 5) Symbolize the following statements in terms of classes.
  - I. All girls are clever.
  - II. No boys are intelligent.
  - III. Few of the mangoes are ripen.
  - IV. All things are glitter they are not gold.
  - V. Some women are talkative.
  - VI. Some youngsters are not obedient.
  - VII. Teachers are good.