



FACULTY OF SCIENCE & TECHNOLOGY
UNIVERSITY EXAMINATIONS 2017/18
FIRST YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE
BACHELOR OF SCIENCE INDUSTRIAL CHEMISTRY AND
BACHELOR OF SCIENCE IN ANALYTICAL CHEMISTRY

FSU 2103: CRITICAL AND CREATIVE THINKING

DATE: TUESDAY 28TH AUGUST 2018

TIME 2 HOURS

INSTRUCTIONS:

ANSWER YOUR QUESTIONS IN ANSWER BOOKLET PROVIDED.

ANSWER QUESTION ONE [COMPULSORY] AND ANY OTHER TWO QUESTIONS

QUESTION ONE (THIRTY MARKS)

a) Define the Following

(10 Marks)

i) Philosophy ✓

ii) Critical thinking ✓

iii) Creative thinking ✓

iv) Argument ✓

v) Fallacy ✓

b) Explain any **four** characteristics of a Critical thinker and demonstrate their relevance in your studies

(8 Marks)

c) Kenya would be a better country to live if its leaders were guided by reason and not emotion and self-interest, discuss.

(12 Marks)

✓QUESTION TWO (TWENTY MARKS)

a) Explain the following:

(4 Marks)

i) Premise ✓

ii) Conclusion

✓b) Using examples Differentiate between deductive and Inductive arguments (6 Marks)

c) Briefly discuss how the following fallacies are committed in the arguments. (10 Marks)

(i) *Argumentum ad Populum* (Appeal to people)

(ii) Hasty generalization (Stereotyping)

(iii) *Argumentum ad baculum* (appeal to force)

(iv) Red Herring

(v) Complex Question

QUESTION THREE (TWENTY MARKS)

Evaluate any five impediments to Critical and Creative thinking.

(20 Marks)

QUESTION FOUR (TWENTY MARKS)

Critically examine 5 (five) Problem solving skills and then show how they exemplify the characteristic of a critical thinker (20 Marks)

QUESTION FIVE (TWENTY MARKS)

With reference to Socrates, Discuss the importance of self-examination in life.

(20 Marks)