



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

UNIVERSITY EXAMINATION FOR: BACHOLAR OF TECHNOLOGY (ANALYTICAL CHEMISTRY)

Type unit code:ACH 4408. COSMETIC ANALYSIS Type unit name.

END OF SEMESTER EXAMINATION PAPER I

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick Date Select Month 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

QUESTION ONE

- a) Outline the knowledge cosmetic manufacturer should have concerning his finished products. 4marks
- b). Describe semi-permanent hair-dye products. 4marks
- c). Explain the use of antioxidant in cosmetics. 4marks
- d). Give reasons why cosmetic have to be analyzed before sales. 4marks
- e). Briefly describe any four methods for extracting perfumes. 4marks
- f). Describe tanning accelerator. 5marks
- g). Briefly describe regulatory aspect for fragrance ingredients. 5marks

QUESTION TWO

- a). Explain the importance of determining colouring agents in cosmetic products. 9marks
- b). Discuss the uses of binder in powder. 11marks

QUESTION THREE

- a) Describe surfactant. 10marks
- b). Describe inorganic UV filters. 10marks

QUESTION FOUR

- a).Describe the quality of a good lips cosmetics. 10marks
- b) Discuss cosmetic Directive of (2003/15/EC) related to non-animal testing of finished cosmetic products and ingredients. 10marks

QUESTION FIVE

- a). Describe the two types of eye-liners. 11marks
- b). Briefly discuss volumetric methods of surfactant analysis. 9marks

