



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 PAPER II

END OF SEMESTER EXAMINATION

SERIES:APRIL2016

TIME:2HOURS

DATE:Pick DateSelect MonthPick Year

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). | Define cosmetic. | 2marks |
| b). | State any six functions of cosmetic. | 6marks |
| c). | Outline the function of each of the four types of surfactants. | 4marks |
| d). | Mr K likes to dye his hair. Give reasons. | 5marks |

- e). Explain the importance of perfumes in cosmetic. 5marks
- f). Describe the three types of fragrance and how long the scent can persist on the body. 8marks

QUESTION TWO.

- a). Explain fine fragrance. 5marks
- b). Discuss regulatory aspects for fragrance ingredients in cations surfactants belonging to alkylpyridium, alkylbenzyltrimethylammonium and trimethylammonium types. 15marks

QUESTION THREE.

- a). Discuss perfume in cosmetic products. 12marks
- b). Describes temporary hair-dye products. 8marks.

QUESTION FOUR.

- a). Discuss the function of the four types of surfactants. 10marks
- b). Describe eye mascaras and its applications. 10marks

QUESTION FIVE.

- a). Give three different types of mascaras. 3marks
- b). Describe the chemicals which makes up semi-permanent hair-dye products. 17marks