



### THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF JKUAT)

(A Centre of Excellence)

#### Faculty of Applied and Health Sciences

#### DEPARTMENT OF PURE AND APPLIED SCIENCES

DIPLOMA IN ANALYTICAL CHEMISTRY (DAC 11M)

## ACH 2213 : PHOTOGRAPHY, CRYOGENIC, GLASS BLOWING VACUUM

#### SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: February 2013

TIME: 2 HOURS

#### **INSTRUCTIONS:**

You should have the following for this paper - Answer booklet This paper consists of *FIVE* questions.

# Answer Question **ONE (compulsory)** and any other **TWO** questions *This paper consists of 2 PRINTED pages*

#### **Question ONE**

a) b) c)	(ii) Draw and explain diaphragm gauge.	(5marks) (5marks) (2marks) (8marks) (10marks)
Question TWO		
a) b)		(12marks) (3marks)
Question THREE		
a) b)	Outline limitations of McLeod gauge Brief describe how to care and clean McLeod gauge.	(9marks) (6marks)
Question FOUR		
a) b)	Describe viscosity gauges Discuss non-fractionation diffusion gauge.	(8marks) (7marks)
Question FIVE		
a) b)	Name the parts indicated in incorporating diffusion pump. Explain how pirani gauge works.	(8marks) (7marks)