

Name: _____ Index No: _____

2528/102

2922/102

ENVIRONMENTAL CHEMISTRY
AND APPLIED SCIENCES

Oct./Nov. 2014

Time: 3 hours

Candidate's Signature: _____

Date: _____



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY
MODULE I

ENVIRONMENTAL CHEMISTRY AND APPLIED SCIENCES

3 hours

INSTRUCTIONS TO CANDIDATES

Write your name and index number in the spaces provided above.

Sign and write the date of examination in the spaces provided above.

You should use a non-programmable scientific calculator for this examination.

This paper consists of TWO sections: A and B.

Answer ALL the questions in section A and any THREE questions from section B in the spaces provided in this question paper.

Each question in section A carries 4 marks while each question in section B carries 20 marks.

Maximum marks for each part of a question are indicated.

Do NOT remove any pages from this booklet.

Candidates should answer the questions in English.



SECTION A

For Examiner's Use Only

Question	1	2	3	4	5	6	7	8	9	10	Total
Candidate's score											

SECTION B

Question	11	12	13	14	15	Total
Candidate's score						

Grand Total

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This paper consists of 20 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTION A (40 marks)

Answer ALL the questions in this section in the spaces provided.

1. Find the derivative of x^2 from first principles.

(4 marks)

2. Define the following terms:

(a) vector quantity;

(1 mark)

(b) scalar quantity;

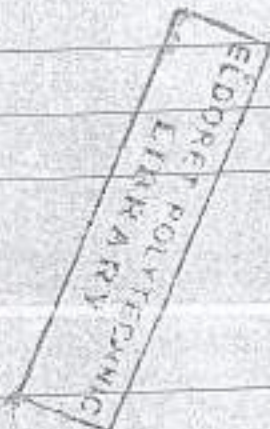
(1 mark)

(c) atom;

(1 mark)

(d) cation.

(1 mark)



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