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THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION
OCTOBER 2010

032/2B

CHEMISTRY 2B
ALTERNATIVE B PRACTICAL

24 HOURS ADVANCE INSTRUCTIONS

1.0 IMPORTANT

- 1.1 GREAT CARE MUST BE TAKEN **NOT** TO DIVULGE THESE INSTRUCTIONS TO BOTH CANDIDATES AND UNAUTHORISED PERSONS EITHER DIRECTLY OR INDIRECTLY.
- 1.2 NOTE THAT YOU ARE **NOT** ALLOWED TO OPEN THE ENVELOPE CONTAINING THE QUESTION PAPER BEFORE THE TIME OF COMMENCEMENT OF THE EXAMINATION.

2.0 PREPARATION AND LABELLING OF CHEMICALS

2.1 Question 1

- (a) Dissolve exactly 6 g of pure acetic acid (CH_3COOH) in distilled water to make up to 1000 cm^3 of solution. Label it as W. Allow 150 cm^3 per candidate.
- (b) Dissolve exactly 8.4 g of pure sodium bicarbonate (NaHCO_3), in distilled water to make up to 1000 cm^3 of solution. Label it as Q. Allow 150 cm^3 per candidate.
- (c) Make available methyl orange indicator to each candidate.

2.2 Question 2

Prepare 2 g solid lead (II) sulphate PbSO_4 , label it A and provide to each candidate.

2.3 Question 3:

Prepare 2 g solid sodium bicarbonate (NaHCO_3), label it L and provide to each candidate.

These 24 Hours Advance Instructions consist of 2 printed pages.

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**3.0 NOTE TO EXAMINATIONS SUPERVISOR AND LABORATORY
TECHNICIAN OR HEAD OF CHEMISTRY DEPARTMENT**

Laboratory Technician or Head of Chemistry Department should perform an experiment of question 1 immediately after the last session of the examination and submit the experimental results together with the candidates' results (answer booklets) to the council.