THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION
OCTOBER 2007

032/2A CHEMISTRY 2A
ALTERNATIVE A PRACTICAL

ADVANCE INSTRUCTIONS

1.0 IMPORTANT

1.1 GREAT CARE MUST BE TAKEN NOT TO DIVULGE THESE INSTRUCTIONS TO BOTH CANDIDATES AND UNAUTHORIZED PERSONS EITHER DIRECTLY OR INDIRECTLY.

1.2 PLEASE DO NOT OPEN THE ENVELOPE CONTAINING THE QUESTION PAPER 24 HOURS BEFORE THE TIME OF COMMENCEMENT OF THE EXAMINATION.

1.3 24 HOURS ADVANCE INSTRUCTIONS WILL BE PROVIDED.

2.0 In addition to the normal fittings and reagents in a normal CSE Chemistry laboratory, each candidate will require the following:

2.1 APPARATUS

3 Conical flasks (250 cm³)
2 Beakers (250 cm³)
1 Pipette (20 cm³ or 25 cm³)
1 Burette (50 cm³)
5 Test tubes (pyrex)
1 Watch glass/petri dish
1 Bunsen burner

2.2 CHEMICALS

5 g of sulphuric acid
2 g of sodium hydroxide
10 cm³ of methyl orange indicator
~2 g of calcium nitrate
~2 g of copper chloride
0.5 g of barium chloride
0.5 g of ferrous sulphate
5 cm³ of ammonium hydroxide
0.5 g of potassium ferrocyanide
0.5 g of silver nitrate

These Advance Instructions consist of 1 printed page.