



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF ARTS WITH INFORMATION
TECHNOLOGY
(MAIN CAMPUS)

AMU 409: INSTRUMENTAL TECHNOLOGY I

Date: 25th November, 2013

Time: 11.00 a.m. - 1.00 p.m.

INSTRUCTIONS:

- Answer Question ONE and any other TWO questions.

AMU 409: INSTRUMENTAL TECHNOLOGY I

Instructions: Answer Question One and Any Other Two

1. a) What does the term 'pianoforte' mean in the history of Piano? (4 marks)
- b) Discuss the evolution of the Piano between 800AD – 1900AD. (10 marks)
- c) Using a well labeled diagram, describe the Piano mechanism in terms of its construction, functioning and tuning technique. (16 marks)

2. a) Explain the following terms as used in instrumental technology studies.
 - i) Pedaling
 - ii) Ensemble
 - iii) Cross-stringing
 - iv) Inharmonicity
 - v) Capoe guitar(20 marks)

3. a) Discuss the impact of modern technology in the construction of Woodwind and Brass musical instruments (11 marks)
- b) Describe any three of the following musical instruments (9 marks)
 - i) Hurdy gurdy
 - ii) Cor anglaise
 - iii) Sackbut
 - iv) Mellaphone
 - v) Mandolin

4. Explain **five** factors that influence the distribution of Chordophones among the communities Kenya. (20marks)

5. a) What is a recorder consort? (5 marks)
- b) Discuss the origin, functioning mechanism, tuning techniques, care and maintenance of a Recorder. (15 marks)