



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION

ESM 341 INTRODUCTION TO INSTRUMENTATION MEASUREMENTS AND FIELD
METHODS IN ENVIRONMENTAL SCIENCE
TIME: 2HRS 30MINS

INSTRUCTION: Attempt any four questions

1. Make explanation on the classification of laboratory equipment. (25marks)
2. Describe remote sensing technique/process from the beginning to the end. (25marks)
3. Provide examples of investigations and suitable satellite sensors needed for remote sensing imageries. (25marks)
4. Discuss the protocols and concerns for pH and EC measurements. (25marks)
5. Explain the sources of bias and errors in sampling (25marks)
6. Describe 4 meteorological observation instruments and the corresponding variables they measure. (25marks)