



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

SED 735: LABORATORY DESIGN AND MANAGEMENT (3 CR)
TIME ALLOWED: 3Hours

INSTRUCTION(S): ANSWER **ALL** QUESTIONS. EACH QUESTION CARRIES EQUAL MARKS.

1. (a) Your Principal proposes to build a science laboratory as a PTA-Assisted Project in your school. Write a proposal as a science teacher to guide your principal on site, shape and factors to be considered in building a science laboratory.
(b) Discuss FOUR requirements for designing the preparatory room.
2. (a) Explain FOUR causes of accidents in the laboratory.
(b) Enumerate TEN preventive measures you would take to ensure safety in the laboratory.
3. (a) List NINE rules and regulations you would give to your students for effective use of science laboratory facilities.
(b) Discuss FIVE general procedures for effective first aid.
4. (a) Outbreak of fire has caused millions of naira damages in the school system.
List SIX sources of ignitions of fire in the science laboratory.
(b) Describe THREE types of fire extinguishers you know.
(c) List FOUR principles to consider for fire fighting.
5. (a) Your Principal has chosen you to be a new Head of Science Department of

out to your school, discuss FIVE key responsibilities you are to carry
enhance productivity in the Department.

(b) List FOUR maintenance instructions to reduce wear and tear of
science laboratory equipment.