

NATIONAL OPEN UNIVERSITY OF NIGERIA

14/16, Ahmadu Bello Way, Victoria Island, Lagos

COURSE UNIT: 2

SCHOOL OF SCIENCE AND TECHNOLOGY ENVIRONMENTAL SCIENCE AND RESOURCES MANAGEMENT

OCTOBER, 2013 EXAMINATION

COURSE CODE: - ESM 341

CREDITS

COURSE TITLE: - INTRODUCTION TO INSTRUMENTATION, MEASUREMENT AND FIELD

METHODS IN

ENVIRONMENTAL SCIENCE

TIME ALLOWED: 2HRS

INSTRUCTION: - ATTEMPT ANY FOUR (4) QUESTIONS

01.

List 5 examples of field and laboratory equipment's that use remote sensing technique. (17.5 marks)

Q2

(a.) Describe the technique of remote sensing.

(5 marks)

(b.) List and describe 3 remote sensing equipment's used for environmental investigations. (12.5 marks)

Q3

(a). State 2 differences between grab sampling and integrated sampling procedures air study. (8 marks)

(b.)List 3 features of the grab samples.

(1.5 marks)

(c)Mention 4 instruments for grab sampling of the air.

(8 marks)

04.

Outline and describe different error sources in researches. (17.5 marks)

O5.

Mention 5 items that you should take to the field.

(17.5 marks)

Q6.Describe 5 instruments for measuring noise and sound.

