



ILARA – MOKIN, ONDO STATE.

**FACULTY : BASIC AND APPLIED SCIENCES
DEPARTMENT: PHYSICAL AND CHEMICAL SCIENCES
FIRST SEMESTER EXAMINATIONS 2017/2018 ACADEMIC SESSION**

COURSE TITLE: INTRODUCTION TO SPACE SCIENCE COURSE CODE: PHY 209

DURATION: 2 Hrs : 30 mins

COURSE UNITS: 2

HOD's SIGNATURE

INSTRUCTIONS: Answer three questions only.

Question one

What is the difference between astronomy and astrophysics. Hence, describe three types of astronomy.

Question two

- (a) Explain the following – Satellite constellation, medium earth orbit and geostationary orbit.
- (b) Describe five applications of communication satellites

Question three

- (a) How do we communicate with satellite?
- (b) What is a satellite transmission?
- (c) How does a satellite work in space?
- (d) Why do satellites do not fall and stay in orbit?

Question four

- (a) Describe space law and early development?
- (b) With diagram, explain Van Allens's radiation belts?