

ELIZADE UNIVERSITY ILARA-MOKIN ONDO STATE

FACULTY: Basic and Applied Sciences

DEPARTMENT: Physical and Chemical Sciences

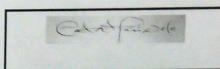
FIRST SEMESTER EXAMINATIONS

2018/2019 ACADEMIC SESSION

COURSE CODE: PHY 209

COURSE TITLE: 1NTRODUCTION TO SPACE SCIENCE

DURATION: 2 HOURS



HOD's SIGNATURE

TOTAL MARKS:

Matriculation Number:

INSTRUCTIONS:

- 1. Write your matriculation number in the space provided above and also on the cover page of the exam booklet.
- 2. This question paper consists of 2 pages with printing on both sides.
- 3. Answer all questions in the examination booklet provided.
- 4. More marks are awarded for problem solving method used to solving problems than for the final numerical answer.
- 5. Box your final answers.
- 6. Attempt any 4 of the 5 questions

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 satellite don't fall and stay in orbit?

Question four

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

QUESTION FIVE

Discuss two international principles and declarations adopted by the United Nations General Assembly on space law?