



**EDO UNIVERSITY, IYAMHO, EDO STATE**  
**FACULTY OF SCIENCE**  
**DEPARTMENT OF BIOLOGICAL SCIENCES**  
First Semester Examination, 2016/2017 Session

Course Title: BRYOLOGY AND PTERIDOLOGY

Course Code: PBB 213

Time allowed: 3 Hours

Date: 15/05/2017

Instruction: Answer any four (4) questions.

1.
  - i. Write a note on bryophytes and evolutionary history of plants.
  - ii. Outline the general characteristics of bryophytes.
2.
  - i. With the aid of an appropriate diagram, illustrate the life cycle of *Marchantia*.
  - ii. Draw the *Marchantia* archegonium and label.
3.
  - i. List the economic importance of bryophytes with suitable examples.
  - ii. Outline the general characteristics of Pteridophytes.
4.
  - i. Explain the process of sexual reproduction in mosses and draw the two important structures that house the male and female gametes.
  - ii. Draw and label a typical moss sporophyte.
5.
  - i. List the characteristics of *Riccia*.
  - ii. Discuss the process of sexual and asexual reproduction in *Riccia*.
6.
  - i. Differentiate between liverworts, hornworts and mosses in a tabular form with any five characteristics.
  - ii. Write a short note on any Pteridophyte division you know.

