



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Sciences
Second year – Semester II Examination – April/May 2016**

**BIO 2108 - MAMMALIAN REPRODUCTIVE PHYSIOLOGY
& DEVELOPMENTAL BIOLOGY**

Time: One hour and 30 minutes

Answer any three (03) questions only.

1. a) Explain how sex is determined in humans. (50 marks)
b) Describe the process of genital development in humans. (50 marks)
2. a) Illustrate the major organs of male reproductive system, using a labelled diagram only. (30 marks)
b) Describe the process of sperm production. (40 marks)
c) Explain what is meant by erectile dysfunction of males. (30 marks)
3. a) Describe the hormonal control of milk production and secretion in females. (40 marks)
b) Elucidate concisely the signs of ovulation. (30 marks)
c) Explain two menstrual disorders. (30 marks)
4. Write short notes on following.
a) Hormonal contraception methods (40 marks)
b) Early development of the embryo (40 marks)
c) Artificial insemination (20 marks)