



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

**B.Sc. (General) Degree in Applied Sciences
Second Year- Semester II Examination – November /December 2016**

**BIO 2108 – MAMMALIAN REPRODUCTIVE PHYSIOLOGY AND
DEVELOPMENTAL BIOLOGY**

Time: One and half (1 ½) hours

Answer all three (03) questions.

Illustrate your answers with labeled diagrams where appropriate.

1. a) Draw a labelled diagram to show internal organs of the human female reproductive system.

(50 marks)

- b) Describe the events taking place inside the ovaries and the uterus during a single menstrual cycle.

(50 marks)

2. a) Briefly explain the roles of following hormones in human reproduction.

i) LH

(20 marks)

ii) FSH

(20 marks)

- b) Describe the secondary sexual characteristics of males.

(30 marks)

- c) Explain briefly three (3) disorders associated with the male reproductive system.

(30 marks)

3.a) Compare and contrast 'barrier methods' and 'hormonal methods' designed for contraception.

(40 marks)

b) Explain the instructions you will give to a woman with two children who wishes to use 'oral contraceptive pills'.

(30 marks)

c) Discuss the parameters used in assessing human semen.

(30 marks)

END