



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

B.Sc. (General) Degree in Health Promotion
First Year – Semester II Examination – March/April 2014

HPT 1107 – REPRODUCTIVE PHYSIOLOGY AND DEVELOPMENT BIOLOGY

Time: 1 1/2 hours

Answer all questions.

Illustrate your answers with labeled diagrams where appropriate.

1. (1.1) List **five** secondary sexual characteristics of female. **(20 marks)**

(1.2) Write a concise account on the development of a follicle in female ovary. **(40 marks)**

(1.3) Describe the physiological changes in the uterus during a menstrual cycle. **(40 marks)**
2. (2.2) Describe the development of a zygote up to an embryo. **(70 marks)**

(2.3) Briefly discuss the major functions of foetal membranes. **(30 marks)**
3. Write a brief account on the followings.
 - a) Mechanical Family Planning Methods **(50 marks)**
 - b) Spermatogenesis **(50 marks)**