



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

**B.Sc. (General) Degree in Health Promotion
First Year – Semester II Examination – February/March 2019**

HPT 1107 – REPRODUCTIVE PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY

Time: one and a half (1 ½) hours.

Answer ALL questions.

1. a) Define in brief following terms. **(20 marks)**
 - i. Gonad
 - ii. Gamete
 - iii. Reproduction
 - iv. Fertilization
- b) Explain the intrauterine sexual development of the fetus. **(50 marks)**
- c) Discuss the role of pituitary gland in human reproduction. **(30 marks)**
2. a) Describe the events taking place inside the ovary and in the uterus during a menstrual cycle. **(60 marks)**
- b) Give an account on three (03) menstrual disorders. **(40 marks)**
3. a) List two (02) organs each developed by three germ cell layers. **(30 marks)**
- b) Explain the uses of Artificial Insemination. **(30 marks)**
- c) Compare and contrast barrier methods and hormonal methods. **(40 marks)**

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