INNDIET ROBA

POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO

SELECTION EXAMINATION FOR OBSTETRICS & GYNAECOLOGY FEBRUARY/MARCH 2016

Date: - 29th February 2016

Time: - 1.00 p.m. - 4.00 p.m.

Answer all five (05) questions
Write the answer to each question in a separate book.

ESSAY QUESTION (One hour)

Question 1

Describe the sequence of steps involved in invasion and metastasis of tumours and outline the host-defense mechanisms against tumours. (100 marks)

SHORT ESSAY QUESTIONS (30 minutes for each question)

Question 2

Describe the macroscopic anatomy of the rectum in the adult female under the following headings-

2.1. Extent and structure	(30 marks)
2.2. Peritoneal reflections and relations	(50 marks)
2.3. Blood and nerve supply	(10 marks)
2.4. Lymphatic drainage	(10 marks)



3.

- 3.1. Briefly describe the physiological hormonal feedback mechanisms that regulate the ovarian cycle. (50 marks)
- 3.2. Describe the blood-testis barrier and its functional importance. (30 marks)
- 3.3. Describe the mechanisms that maintain the testicular temperature, explaining their importance (20 marks)

4.

- 4.1. Describe the common molecular structure shared by immunoglobulins, in relation to their function. (30marks)
- 4.2. List the classes of immunoglobulins giving their principal molecular forms, their primary location and indicate which of them activate the complement system. (20 marks)
- 4. 3. Write a brief account of the classical pathway of complement. (30 marks)
- 4. 4. Briefly explain the main mechanisms of immune tolerance of the conceptus. (20 marks)

5.

- 5.1. Describe the mechanisms of drug interactions. (40 marks)
- 5.2. Describe the metabolism of ethinyl oestradiol and the progestagen contained in the combined oral contraceptive pill. (30 marks)
- 5.3. Outline how oral antibiotics influence the efficacy of combined oral contraceptive preparations. (30 marks)