



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)