

Answer the following questions as clear as possible:

- 1) Allergy is a kind of hyper-reaction of immune response. State out the differences of various types of allergy and give at least two examples of the allergic reaction. (20%)
- 2) The anterior pituitary gland is often called the "master gland" in human because of its important hormones. Describe the structures, functions and physiologic effects of the hormones secreted from the anterior pituitary gland. (20%)
- 3) There are two different processes of digestion - mechanical and chemical. Draw a table and state out the digestive functions of the organs which are involved in the digestive system. (30%)
- 4) Describe the effects of oxygen deficiency and high gas pressure at high attitudes and sea diving respectively. State out the fatal effects during long period of aviation and sea diving. (30%)