

1. Hypersensitivity reactions are commonly seen mechanisms involved in the immunological injury in a variety of diseases. In general, they can be classified into four different types. Please describe the basic immunological mechanisms behind it. Using specific examples to illustrate your points is encouraged. (16%).
2. From our knowledge gained from studies of a variety of genetic diseases, there are at least eleven ways of mutations that can abolish or reduce the function of gene products that lead to diseased phenotype. Please use specific examples and to explain your points. (20%)
3. Please describe the impact of completion of Human Genome Project upon biomedical research and human life (16%).
4. Please describe the classification and mechanisms of hepatocellular carcinoma. (16%)
5. 就病因, 危險因子, 病理變化, 診斷, 治療, 預防, 等等說明骨質疏鬆症。(16%)
6. 試述肝轉氨酶 SGOT 及 SGPT 之臨床意義與檢測原理。(16%)