- 1. Describe the process of vomiting. (10 %) How do the kidney and respiration respond to a severe vomiting? (10 %)
- Hypotension can be occurred by uncontrolled hemorrhage or severe loss of salt and water. Under the condition without therapeutic treatments, how do these patients restore blood pressure by the shortand long-term compensation? (20 %)
- 3. A patient lost the sensation and movement in his left side of body without the impairment in language. Can you suspect the damage area from his symptoms? (5 %) Describe the somatosensory and motor pathway as well as central process of language. (15 %)
- 4. Explain the reasons that women have a high incidence of osteoporosis after menopause. Describe bone remodeling and hormonal controls of calcium homeostasis. (20 %)
- Which hormones stimulate lipolysis? (10 %) Describe the metabolic disorders of severe untreated insulin deficiency in type 1 diabetes mellitus (T1DM)? (10 %)