請依序作答:

- 1. Describe the following terms briefly (4% for each)
 - a. Proteasomes
 - b. Basal lamina
 - c. Chief (zymagenic) cells
 - d. Melanocytes
- 2. Draw briefly the sinusoidal and lateral domains of a hepatocyte, and discuss what properties are important to these structures. (8%)
- 3. Please describe the hypophyseal portal system which delivers hormones from the capillary plexus of hypothalamus to the pars distalis. (8%)
- 4. Please describe the endosomal pathways, including the formation of early and late endosomes. (9%)
- 5. Draw a renal corpuscle and explain the structure-function relationship between podocytes and endothelial cells. (9%)
- 6. As one patient's radial nerve is transecting by accident, please describe the events of the radial nerve regeneration. (10%)
- 7. Describe the location and structure of every type of capillaries, including lymphatic capillary. (10%)
- 8. Describe the events of ovary and uterus in the proliferate (follicular) phase of menstrual cycle. (10%)
- 9. Describe the following terms briefly, (2% each)
 - a. Intercalated disk (LM and EM)
 - b. T-memory cell
 - c. Postnatal hemopoiesis
 - d. Cardiac skeleton
 - e. Tonsil
 - f. Mediastinum testis
 - g. Membranous labyrinth
 - h. Tunica vasculosa (uvea)
 - i. Endochondral bone formation
 - j. Mounting